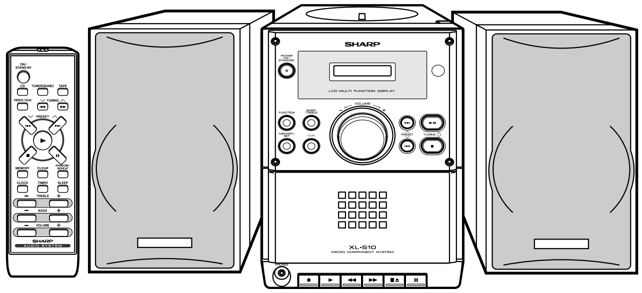
SHARP SERVICE MANUAL

No. S3412XLS10///



MICRO COMPONENT SYSTEM

MODEL XL-S10

XL-S10 Micro Component System consisting of XL-S10 (main unit) and CP-S10 (speaker system).

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

COMPACT DISC DIGITAL AUDIO

CD-R/RW Playable

CONTENTS

SHARP CORPORATION

CHAPTER 1. GENERAL DESCRIPTION

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

[1] IMPORTANT SERVICE NOTES (FOR U.S.A. ONLY)

BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

Before returning the audio product to the user, perform the following safety checks.

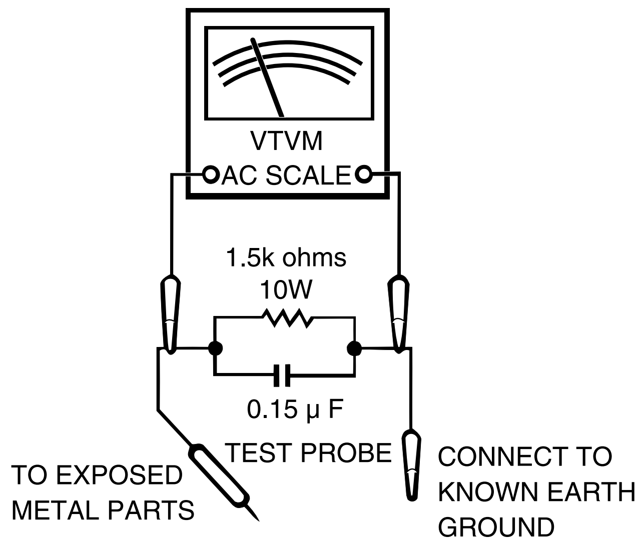
1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

* Plug the AC line cord directly into a 120 volt AC outlet.

* Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15μF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.

* Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).

* Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.



All check must be repeated with the AC line cord plug connection reversed.

Any reading of 0.3 volt RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the audio product to the owner.

[2] SPECIFICATIONS

■ General

Power source	AC 120 V, 60 Hz
Power consumption	28 W
Dimensions	Width: 6-5/16" (160 mm) Height: 9-1/2" (242 mm) Depth: 9-7/8" (250 mm)
Weight	5.1 lbs. (2.3 kg)

■ Amplifier

Output power	5 watts minimum RMS per channel into 4 ohms from 100 Hz to 15 kHz, 10% total harmonic distortion
Output terminals	Speakers: 4 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) Subwoofer pre-out (audio signal): 500 mV/47 k ohms
Input terminals	Video/Auxiliary (audio signal): 500 mV/47 k ohms

■ Tuner

Frequency range	FM: 87.5 - 108.0 MHz AM: 530 - 1,720 kHz

■ CD player

Type	Compact disc player
Signal readout	Non-contact, 3-beam semiconductor laser pickup
D/A converter	1-bit D/A converter
Frequency response	20 - 20,000 Hz
Dynamic range	90 dB (1 kHz)

■ Cassette deck

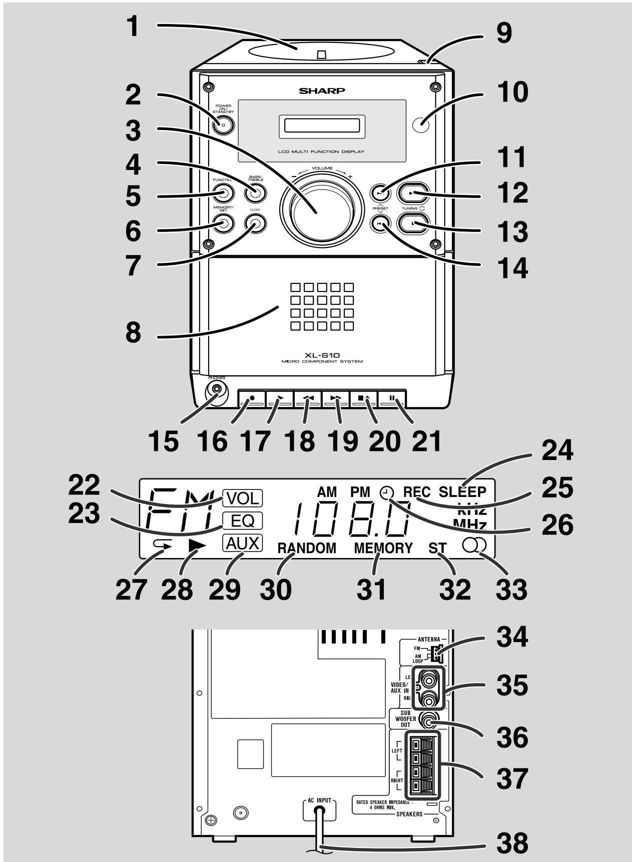
Frequency response	125 - 8,000 Hz (normal tape)
Signal/noise ratio	50 dB (recording/playback)
Wow and flutter	0.3 % (WRMS)

■ Speaker

Type	4" (10 cm) full-range speaker (magnetically shielded)
Maximum input power	10 W
Rated input power	5 W
Impedance	4 ohms
Dimensions	Width: 5-1/8" (130 mm) Height: 9-7/16" (240 mm) Depth: 6-5/16" (161 mm)
Weight	3.3 lbs. (1.5 kg)/each

Specifications for this model are subject to change without prior notice.

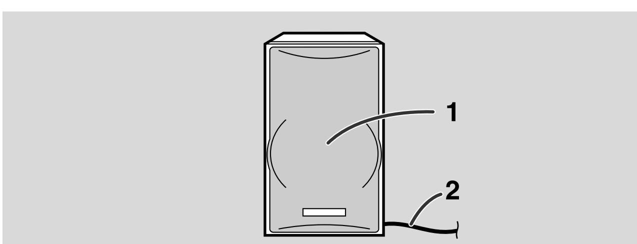
[3] NAMES OF PARTS



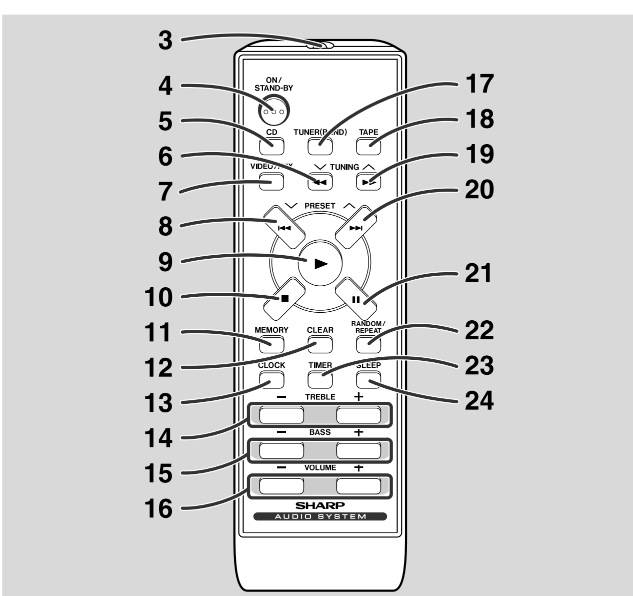
1. CD Compartment
2. Power On/Stand-by Button
3. Volume Control
4. Bass/Treble Selector Button
5. Function Selector Button
6. Memory/Set Button
7. Clear Button
8. Cassette Compartment
9. CD Eject Button
10. Remote Sensor
11. CD Track Up or Fast Forward, Tuner Preset Up Button
12. CD Play or Pause, Tuning Up Button
13. CD Stop, Tuning Down Button
14. CD Track Down or Fast Reverse, Tuner Preset Down Button
15. Headphone Jack
16. Tape Record Button
17. Tape Play Button
18. Tape Rewind Button
19. Tape Fast Forward Button
20. Tape Stop/Eject Button
21. Tape Pause Button

22. Volume Indicator
23. Equalizer Indicator
24. Sleep Indicator
25. Tape Record Indicator
26. Timer Play Indicator
27. CD Repeat Play Indicator
28. CD Play Indicator
29. Auxiliary Indicator
30. CD Random Play Indicator
31. Memory Indicator
32. FM Stereo Mode Indicator
33. FM Stereo Receiving Indicator

34. FM/AM Loop Antenna Jack
35. Video/Auxiliary (Audio Signal) Input Jacks
36. Subwoofer Pre-output Jack
37. Speaker Terminals
38. AC Power Cord



1. Full-Range Speaker
2. Speaker Wire



3. Remote Control Transmitter
4. Power On/Stand-by Button
5. CD Button
6. CD Fast Reverse, Tuning Down Button
7. Video/Auxiliary Button
8. CD Track Down, Tuner Preset Down Button
9. CD Play Button
10. CD Stop Button
11. Memory Button
12. Clear Button
13. Clock Button
14. Treble Up and Down Buttons
15. Bass Up and Down Buttons
16. Volume Up and Down Buttons
17. Tuner and Band Selector Button
18. Tape Button
19. CD Fast Forward, Tuning Up Button
20. CD Track Up, Tuner Preset Up Button
21. CD Pause Button
22. Random/Repeat Button
23. Timer Button
24. Sleep Button

CHAPTER 2. ADJUSTMENTS

[1] ADJUSTMENT

1. MECHANISM SECTION

• Driving Force Check

Torque Meter	Specified Value
Play: TW-2111	Over 80 g

• Torque Check

Torque Meter	Specified Value
Play: TW-2111	30 to 80 g.cm
Fast forward: TW-2231	70 to 180 g.cm
Rewind: TW-2231	70 to 180 g.cm

• Tape Speed

Test Tape	Adjusting Point	Specified Value	Instrument Connection
MTT-111	Variable Resistor in motor.	3,000 ± 30 Hz	Speaker Terminal (Load resistance: 6 ohms)

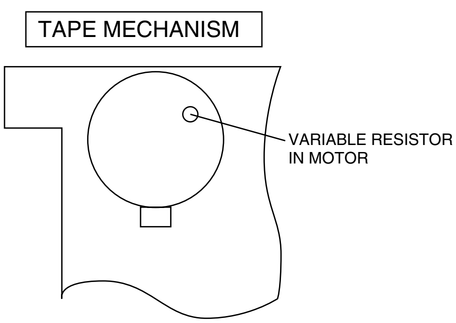


Figure 1

2. TUNER SECTION

fL: Low-range frequency

fH: High-range frequency

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
IF	450 kHz	1,602 kHz	L305	*1
AM Band Coverage	—	522 kHz	(fL): L306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	L302	*3

*1. Input: IC301 1Pin   Output: IC301 23Pin
*2. Input: Input is not connected   Output: TP-VT(IC301 28Pin)
*3. Input: Antenna   Output:IC301 23Pin

• Check FM VT

Signal generator: 1 kHz, 40 kHz dev., FM modulated

Frequency	Display	Check Point	Instrument Connection
87.5 MHz	87.5 MHz	1.5V ± 1.0V	TP-VT
108 MHz	108 MHz	5.0V ± 1.0V	TP-VT

• FM Mute Level

Signal generator: 1 kHz, 40 kHz dev., FM modulated

Frequency	Display	Adjusting Parts	Instrument Connection
98.00 MHz (30 dBµV)	98.00 MHz		Input: Antenna Output: Speaker Terminal

• FM Detection

Signal generator: 10.7 MHz FM sweep generator

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
FM IF	10.7 MHz	98.00 MHz		Input: Pin 36 of IC301 Output: Pin 23 of IC301

• FM RF

Signal generator: 1 kHz, 75 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
FM Band Coverage	—	87.50 MHz	(fL): L307 1.5 ± 0.1 V	*1
FM RF	98.00 MHz (10 ~ 20dB)	98.00 MHz	L304	*1

*1. Input: Antenna   Output: 23 Pin of IC301

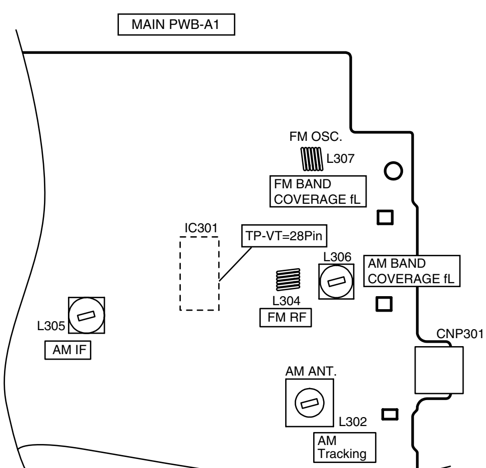


Figure 2 ADJUSTMENT POINTS

3. CD SECTION

• **Adjustment**

Since this CD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWBs and pickups can be combined freely.

Each time a disc is changed, these adjustments are performed automatically. Therefore, playback of each disc can be performed under optimum conditions.

[2] TEST MODE

Test Mode Key Operation

KEY1	KEY2	KEY3	TEST CONTENTS	INDICATION
Memory	Preset Down	Power	Preset clear	Tu CL
Memory	Stop	Power	Preset set	FM P-01
Memory	Play	Power	Display	
Memory	Preset up	Power	CD	T-1
Memory	Clear	Power	Soft reset	CL
Bass/treble	Preset down	Power	Volume	T-3
Bass/treble	Play	Power	Timer test	T-4
Bass/treble	Clear	Power	all key	T-6
				September 12 Days Indication Change

All test modes can be terminated by turning off the power with POWER key.

- **Preset clear test**

  All tuner preset stations are cleared.

- **Preset set test**

CH	BAND	FREQUENCY
1	FM STEREO	FM 87.50 MHz
2		FM 108.00 MHz
3		FM 98.00 MHz
4		FM 90.00 MHz
5		FM 106.00 MHz
6	AM	AM 530 kHz
7		AM 1720 kHz
8		AM 990 kHz
9		AM 600 kHz

CH	BAND	FREQUENCY
10	AM	AM 1400 kHz
11 . . 35		————
36	FM MONO	FM 106.0 MHz
37		FM 90.0 MHz
38		FM 98.0 MHz
39		FM 108.0 MHz
40		FM 87.5 MHz

Stations are set according to destination.

- **Display test**

  When test mode is activated, the entire display lights up. As the “PLAY” button is pressed, half of the display lights up alternately.

- **CD test**

[cd step 1] Enter test mode. ←

↓ Hold down the “memory” button

[cd step 2] After some steps, the laser turns on.

↓ Hold down the “memory” button

[cd step 3] After some steps, focus search is performed.

↓ Hold down the “memory” button

[cd step 4] After some steps, CLV rotation is performed.

↓ Hold down the “memory” button

[cd step 5] CD playback starts.

↓ Hold down the “stop” button to return to [cd step 1]

In step 5, hold down the AUX button on the remote control. The tracking servo is switched on/off.

From step 3, the pick up can be moved with the FF/REW button.

- **Soft reset test**

  All data in RAM is cleared.

- **VOLUME test**

  Starting from level 23 (default), check all the levels (0 - 23 - MAX).

- **TIMER test**

  Start the timer at 1:00. When it reaches 1:05, turn on the power with the AUX function and turn off the power after about 30 seconds.

  (In the test mode, fade-in and fade-out are not required.)

- **ALL KEY test**

  In the test mode, hold down all the buttons on the main unit and then press the “POWER” button. “OK” appears.

  If only the “POWER” key is pressed, “ERROR” appears.

[3] When the CD does not function

The CD section may not operate when the objective lens of the optical pickup is dirty. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Turn the power off.

Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

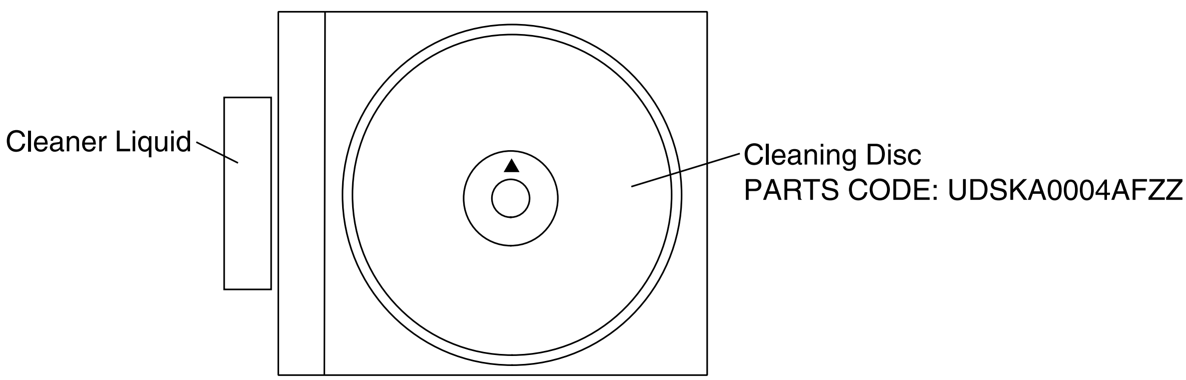
		Parts code
1.	CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the ▲ mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continues to turn, press the stop button.

CAUTION

- The CD lens cleaner should be effective for 30~50 operations, however if the brushes become worn out earller then please replace the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD ROM drives.
-



CHAPTER 3. MECHANICAL DESCRIPTION

[1] DISASSEMBLY

Caution on Disassembly
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:
1) Take cassette tape and compact disc out of the unit.
2) Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3) Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4) Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw...........................(A1) x 5 2. Socket.........................(A2) x 2 3. Flat Cable....................(A3) x 1	1
2	Side Panel	1. Screw...........................(B1) x 4	1
3	Rear Panel	1. Screw..........................(C1) x 3 2. Screw..........................(C2) x 2	1 2
4	Main PWB	1. Screw..........................(D1) x 2 2. Socket.........................(D2) x 2 3. Socket.........................(D3) x 1	2
5	Front Panel	1. Screw...........................(E1) x 2	3
6	Power PWB	1. Screw...........................(F1) x 2 2. Screw...........................(F2) x 1	3
7	Display PWB	1. Knob............................(G1) x 1 2. Screw..........................(G2) x 8	4
8	Tape Mechanism	1. Screw..........................(H1) x 1 2. Screw..........................(H2) x 4	4
9	Open/Close Switch PWB	1. Screw...........................(J1) x 1 2. Hook............................(J2) x 2	5
10	CD Mechanism	1. Screw...........................(K1) x 4	5

Note 1:

After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electrostatic damage.

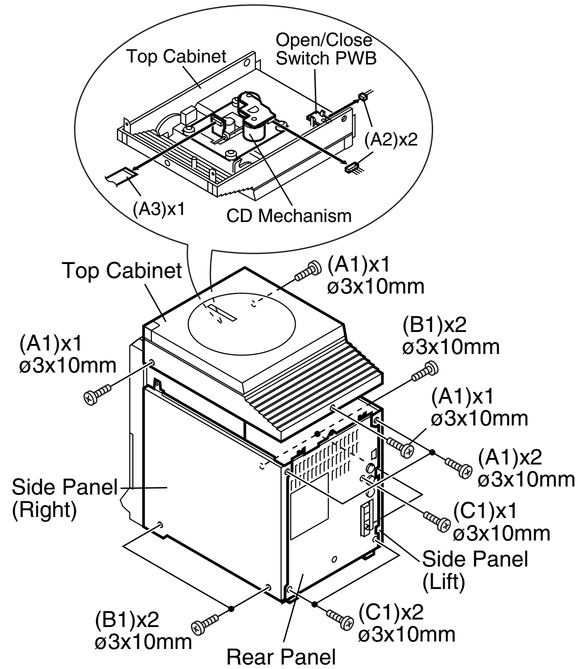


Figure 1

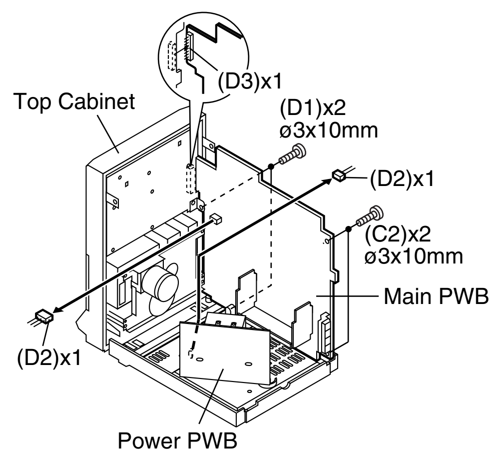


Figure 2

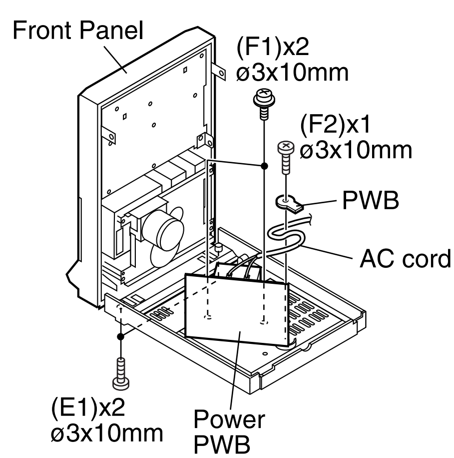


Figure 3

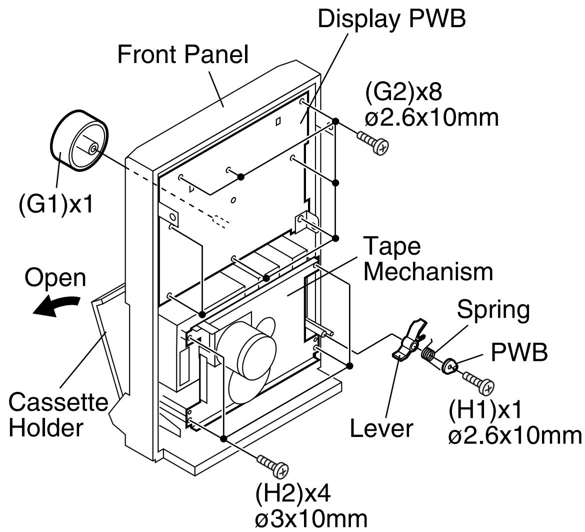


Figure 4

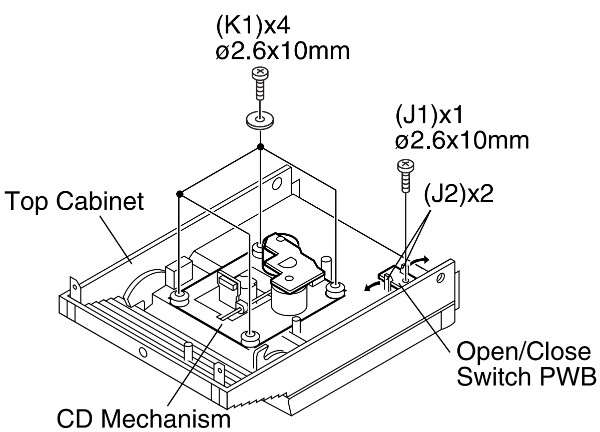


Figure 5

—MEMO—

CHAPTER 4. DIAGRAMS

[1] BLOCK DIAGRAM

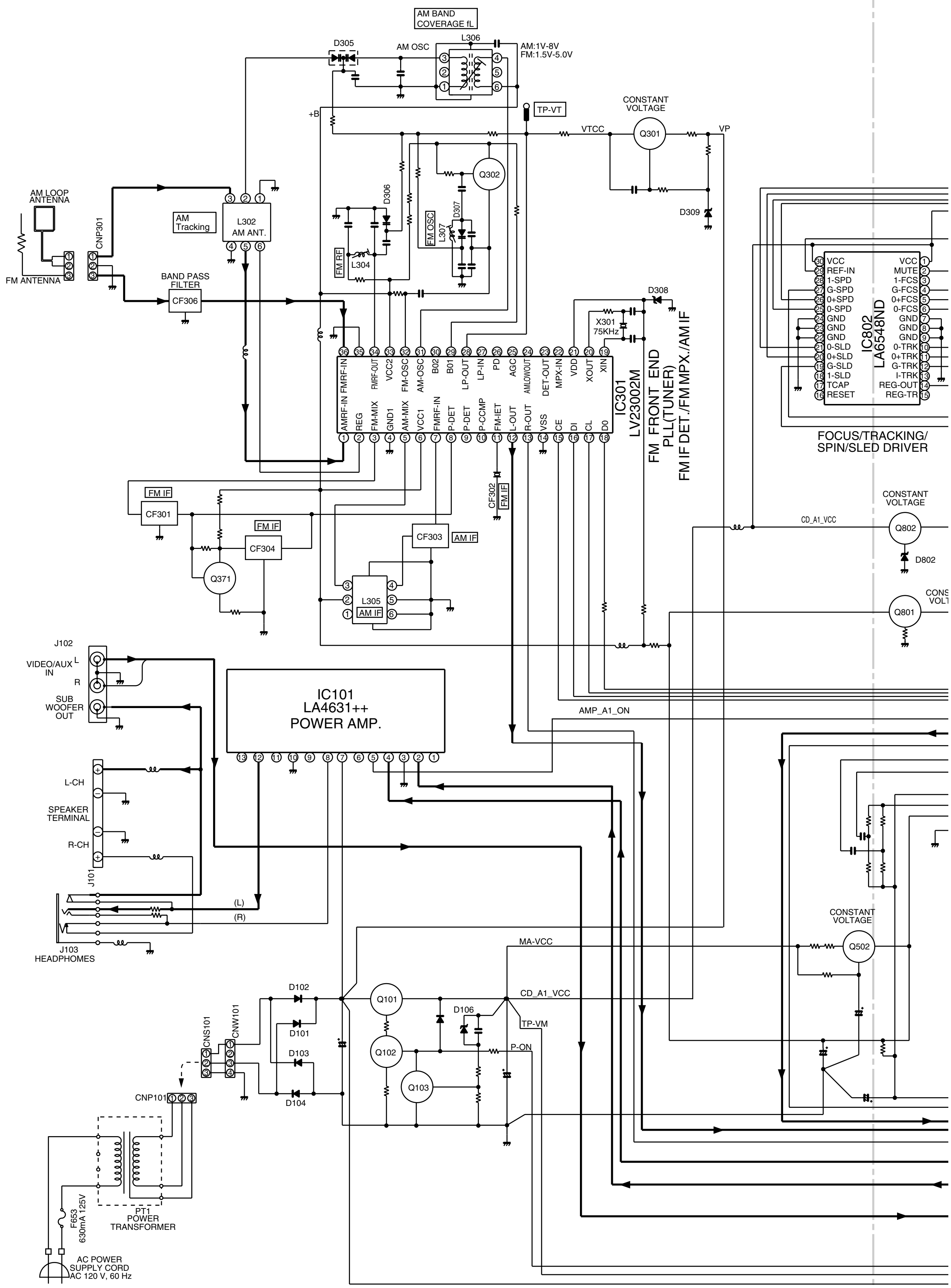


Figure 4-1 BLOCK DIAGRAM (1/3)

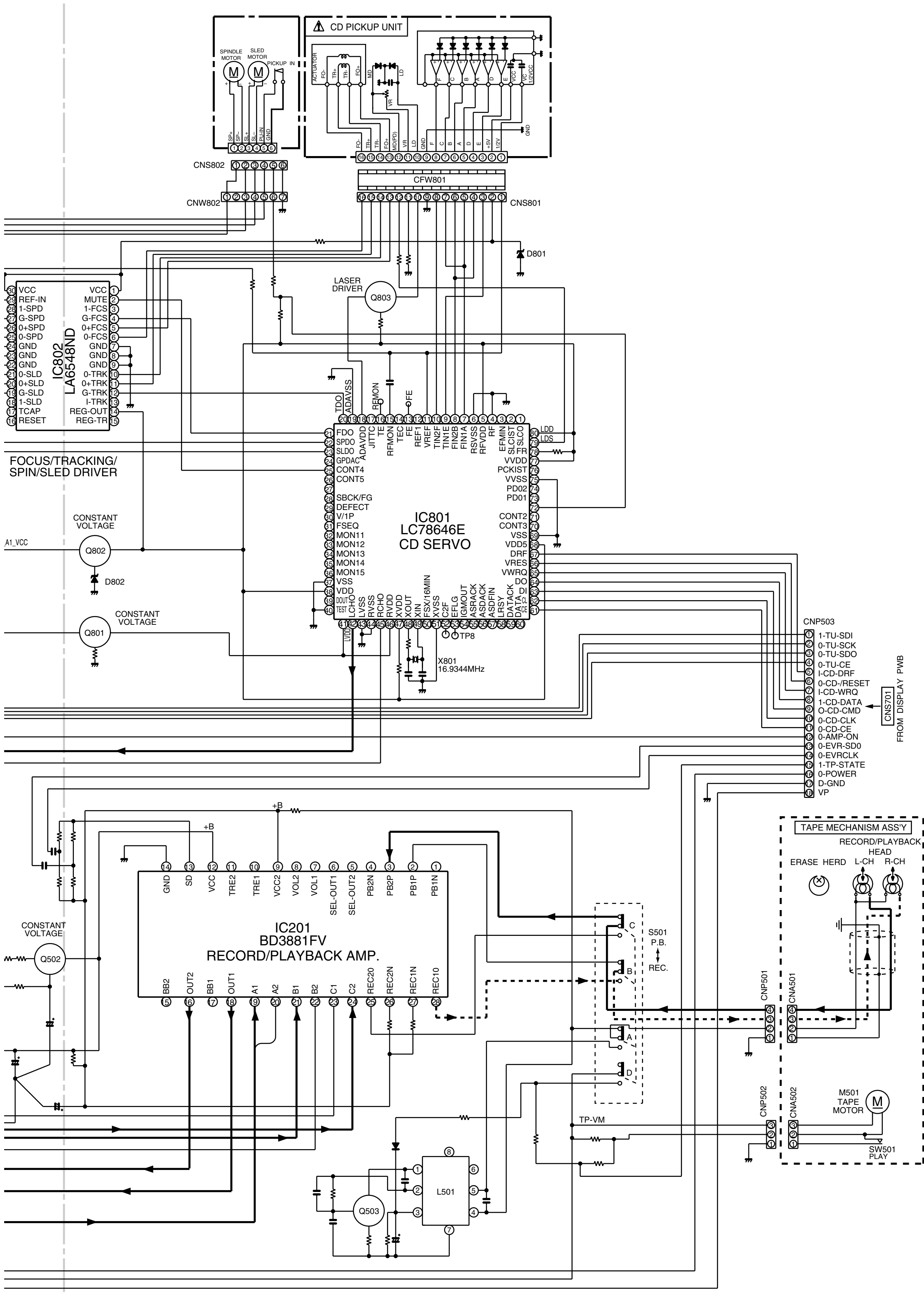


Figure 4-2 BLOCK DIAGRAM (2/3)

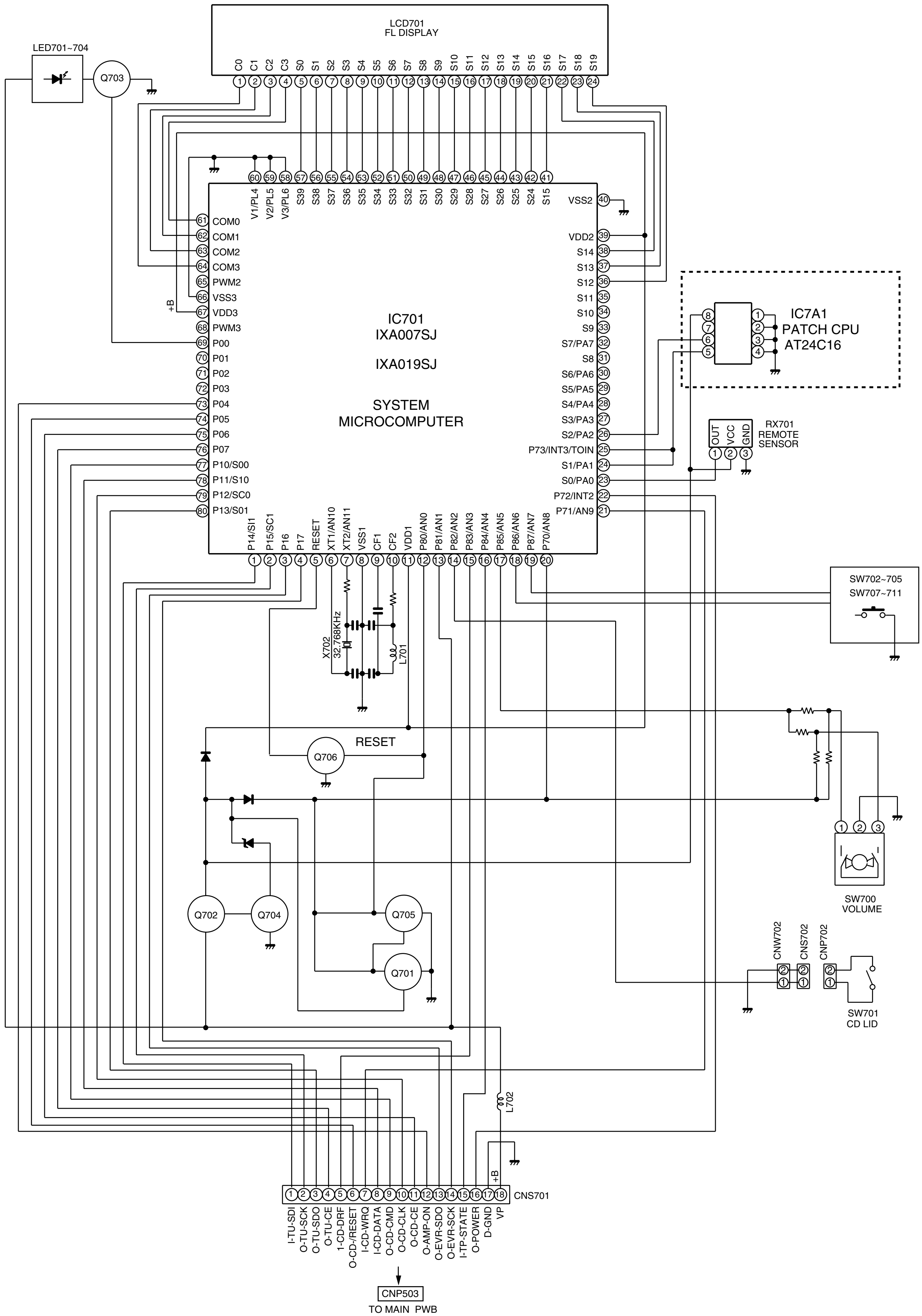


Figure 4-3 BLOCK DIAGRAM (3/3)

CHAPTER 5. CIRCUIT DESCRIPTION

[1] VOLTAGE

IC7A1

PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	0 V
5	0 V
6	0 V
7	5.0 V
8	5.2 V

IC101

PIN NO.	VOLTAGE
1	8.8 V
2	1.5 V
3	0 V
4	1.5 V
5	-1.3 V
6	11.5 V
7	17.7 V
8	0 V
9	0 V
10	0 V
11	0 V
12	8.4 V
13	0 V

IC201

PIN NO.	VOLTAGE
1	3.66 V
2	3.68 V
3	3.65 V
4	3.65 V
5	3.65 V
6	3.65 V
7	3.65 V
8	3.65 V
9	3.65 V
10	3.65 V
11	3.65 V
12	7.55 V
13	3.65 V
14	0 V
15	3.65 V
16	3.65 V
17	3.65 V
18	3.65 V
19	3.65 V
20	3.65 V
21	3.65 V
22	3.65 V
23	3.65 V
24	3.65 V
25	3.65 V
26	3.65 V
27	3.65 V
28	3.65 V

IC301

PIN NO.	VOLTAGE
1	2.25 V
2	2.28 V
3	2.59 V
4	0 V
5	5.08 V
6	2.23 V
7	2.25 V
8	4.0 V
9	3.9 V
10	2.9 V
11	2.43 V
12	2.43 V
13	0 V
14	0 V
15	0 V
16	0 V
17	0 V
18	0 V
19	1.82 V
20	1.67 V
21	3.9 V
22	2.24 V
23	0.69 V
24	2.57 V
25	2.1 V
26	2.5 V
27	2.0V
28	3.1 V
29	2.7 V
30	2.1 V
31	4.9 V
32	5.1 V
33	4.9 V
34	5.1 V
35	0 V
36	0.97 V

IC802

PIN NO.	VOLTAGE
1	8.46 V
2	3.19 V
3	1.60 V
4	1.61 V
5	3.87 V
6	2.75 V
7	0 V
8	0 V
9	0 V
10	3.72 V
11	3.70 V
12	1.60 V
13	1.60 V
14	3.22 V
15	7.39 V
16	3.21 V
17	3.83 V
18	1.60 V
19	1.60 V
20	3.91 V
21	3.80 V
22	0 V
23	0 V
24	0 V
25	3.53 V
26	4.11 V
27	1.61 V
28	1.60 V
29	1.61 V
30	8.44 V

IC701

PIN NO.	VOLTAGE
1	4.45 V
2	0V
3	0 V
4	0 V
5	4.42 V
6	2.126 V
7	2.710 V
8	0 V
9	2.305 V
10	2.637 V
11	5.19 V
12	5.26 V
13	1.324 V
14	0.115 V
15	3.205 V
16	2.021 V
17	5.56 V
18	5.19 V
19	5.13 V
20	0 V
21	0 V
22	4.97 V
23	5.11 V
24	0 V
25	0 V
26	0 V
27	0 V
28	0 V
29	5.10 V
30	0 V
31	0 V
32	0 V
33	0 V
34	0 V
35	0 V
36	0 V
37	0 V
38	0 V
39	0 V
40	5.11 V
41	2.33 V
42	2.324 V
43	2.03 V
44	2.26 V
45	2.38 V
46	2.50 V
47	2.50 V
48	2.50 V
49	2.50 V
50	2.50 V
51	2.50 V
52	2.50 V
53	2.50 V
54	2.44 V
55	2.37 V
56	2.44 V
57	2.32 V
58	2.38 V
59	0 V
60	0 V
61	2.48 V
62	2.48 V
63	2.47 V
64	2.48 V
65	1.63 V
66	0 V
67	1.0 V
68	2.13 V
69	5.0 V
70	0 V
71	0 V
72	0 V
73	4.96 V
74	5.0 V
75	0.7 V
76	0 V
77	1.12 V
78	3.4 V
79	0.7 V
80	0 V

IC801

PIN NO.	VOLTAGE
1	1.6 V
2	1.0 V
3	1.6 V
4	1.67 V
5	3.2 V
6	0 V
7	1.6 V
8	1.6 V
9	1.6 V
10	1.6 V
11	1.6 V
12	1.6 V
13	1.6 V
14	1.7 V
15	1.58 V
16	1.6 V
17	1.57 V
18	3.2 V
19	0 V
20	1.6 V
21	1.6 V
22	1.6 V
23	1.6 V
24	1.6 V
25	1.6 V
26	1.5 V
27	0 V
28	1.5 V
29	0 V
30	0 V
31	1.0 V
32	0 V
33	0 V
34	0 V
35	1.5 V
36	1.5 V
37	0 V
38	3.2 V
39	3.2 V
40	0 V
41	3.5 V
42	1.7 V
43	0 V
44	0 V
45	1.75 V
46	3.8 V
47	3.1 V
48	1.4 V
49	1.6 V
50	1.5 V
51	0 V
52	0 V
53	1.25 V
54	1.25 V
55	1.52 V
56	1.52 V
57	1.58 V
58	1.58 V
59	1.0 V
60	0 V
61	0.18 V
62	3.0 V
63	1.9 V
64	3.0 V
65	3.9 V
66	3.3 V
67	0 V
68	3.2 V
69	0 V
70	0 V
71	0 V
72	3.1 V
73	0.54 V
74	1.35 V
75	0 V
76	1.0 V
77	3.26 V
78	2.5 V
79	0 V
80	3.2 V

Q101

PIN NO.	VOLTAGE
E	17.5 V
C	8.6 V
B	17.3 V

Q102

PIN NO.	VOLTAGE
E	0.19 V
C	17.0 V
B	0.77 V

Q103

PIN NO.	VOLTAGE
E	0 V
C	0.8 V
B	0.6 V

Q301

PIN NO.	VOLTAGE
E	10.7 V
C	17.3 V
B	10.8 V

Q302

PIN NO.	VOLTAGE
E	1.0 V
C	2.8 V
B	1.77 V

Q371

PIN NO.	VOLTAGE
E	0 V
C	3.5 V
B	0.8 V

Q502

PIN NO.	VOLTAGE
E	7.1 V
C	7.6V
B	7.8 V

Q503

PIN NO.	VOLTAGE
E	0.17 V
C	0.17 V
B	0 V

Q701

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.64 V

Q702

PIN NO.	VOLTAGE
E	5.84 V
C	14.10V
B	6.50 V

Q703

PIN NO.	VOLTAGE
E	4.3 V
C	8.4 V
B	5.0 V

Q704

PIN NO.	VOLTAGE
E	0 V
C	6.55 V
B	0.63 V

Q705

PIN NO.	VOLTAGE
E	0 V
C	5.2 V
B	0 V

Q706

PIN NO.	VOLTAGE
E	0 V
C	4.9 V
B	0 V

Q801

PIN NO.	VOLTAGE
E	3.3 V
C	7.17 V
B	4.18 V

Q802

PIN NO.	VOLTAGE
E	3.22 V
C	6.15 V
B	3.9 V

Q803

PIN NO.	VOLTAGE
E	2.77 V
C	1.83 V
B	2.0 V

—**MEMO**—

CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

[1] NOTES ON SCHEMATIC DIAGRAM

- Resistor:

  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.

- Capacitor:

  To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.

  (CH), (TH), (RH), (UJ): Temperature compensation

  (ML): Mylar type

  (P.P.): Polypropylene type

- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.

REF. NO	DESCRIPTION	POSITION
SW501	PLAY	ON—OFF
SW700	VOLUME	ON—OFF
SW701	CD LID	ON—OFF
SW702	ON/STAND-BY	ON—OFF
SW703	FUNCTION	ON—OFF
SW704	BASS/TRBLE	ON—OFF

- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.

1. In the tuner section,

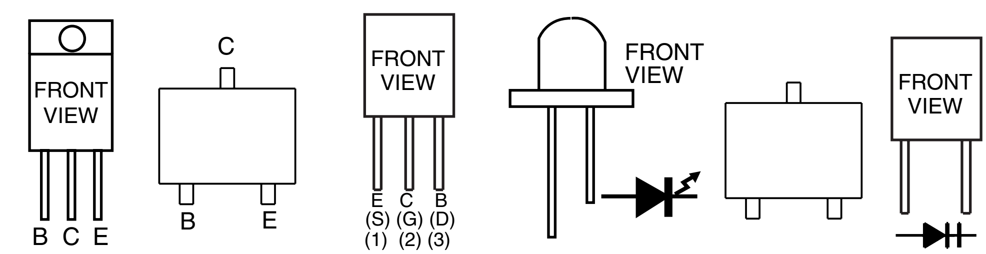
   indicates AM

   indicates FM stereo
2. In the main section, a tape is being played back.
3. In the deck section, a tape is being played back.
4. In the power section, a tape is being played back.
5. In the CD section, the CD is stopped.

- Parts marked with “ ⚠ ” ( ) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO	DESCRIPTION	POSITION
SW705	MEMORY/SET	ON—OFF
SW707	TUNING UP	ON—OFF
SW708	TUNING DOWN	ON—OFF
SW709	PRESET UP	ON—OFF
SW710	PRESET DOWN	ON—OFF
SW711	CLEAR	ON—OFF

[2] TYPES OF TRANSISTOR AND LED



2SB1370 E+

2SC3052 F+
2SC5477++
2SA1235 F+

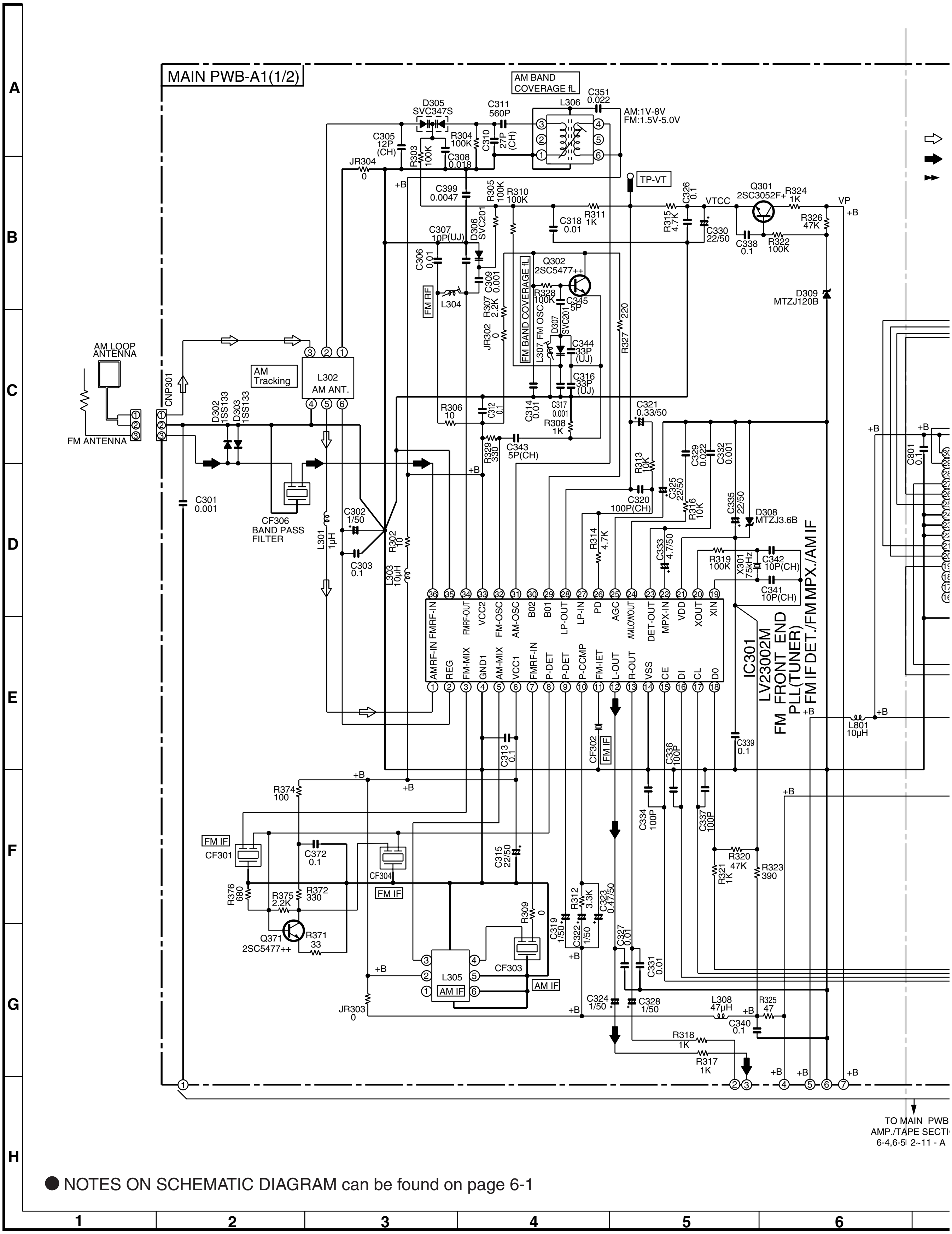
2SC5395 F+

MPG3372X

SVC347S

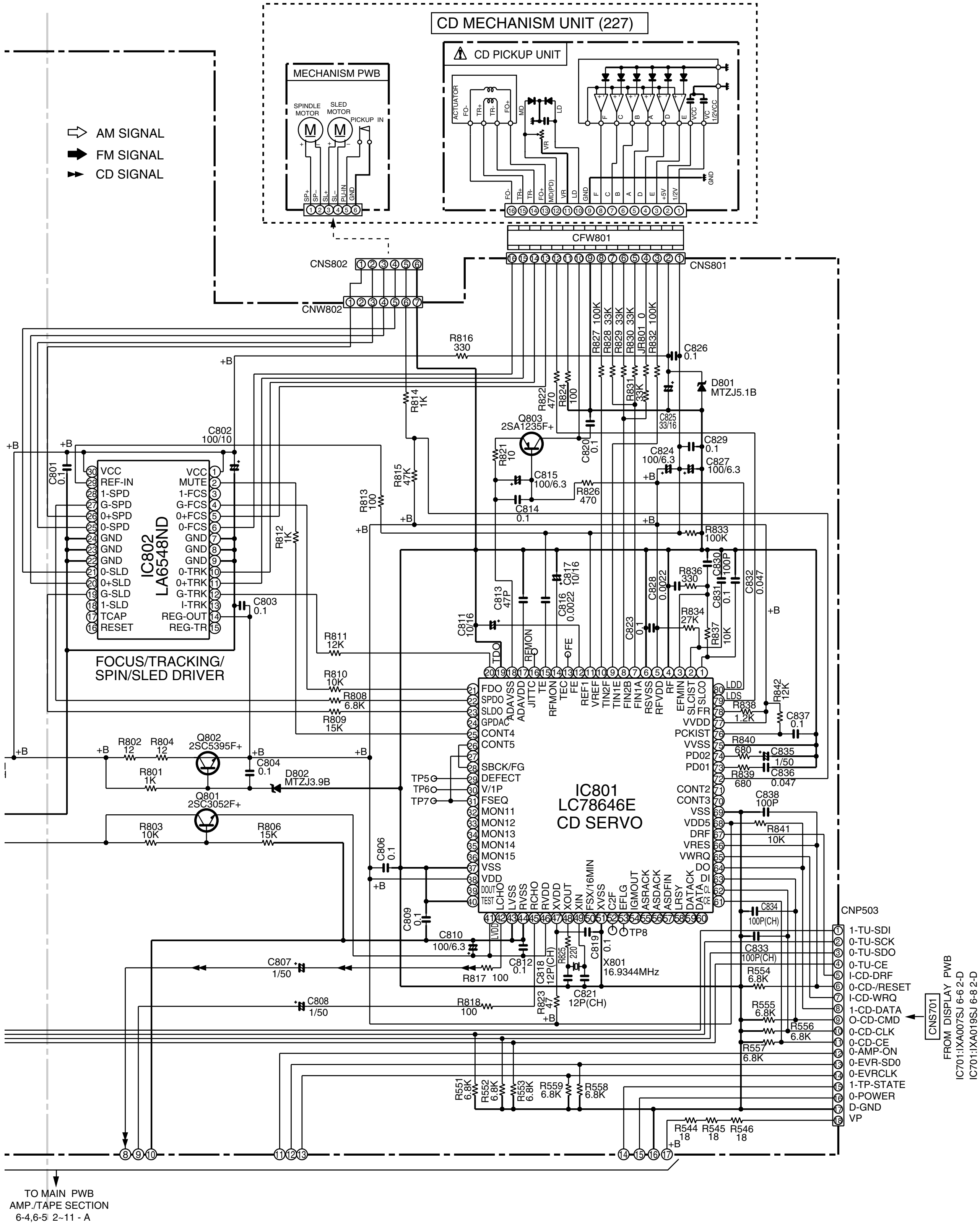
SVC201

[3] WIRING SIDE OF P.W.BOARD/SCHEMATIC DIAGRAM



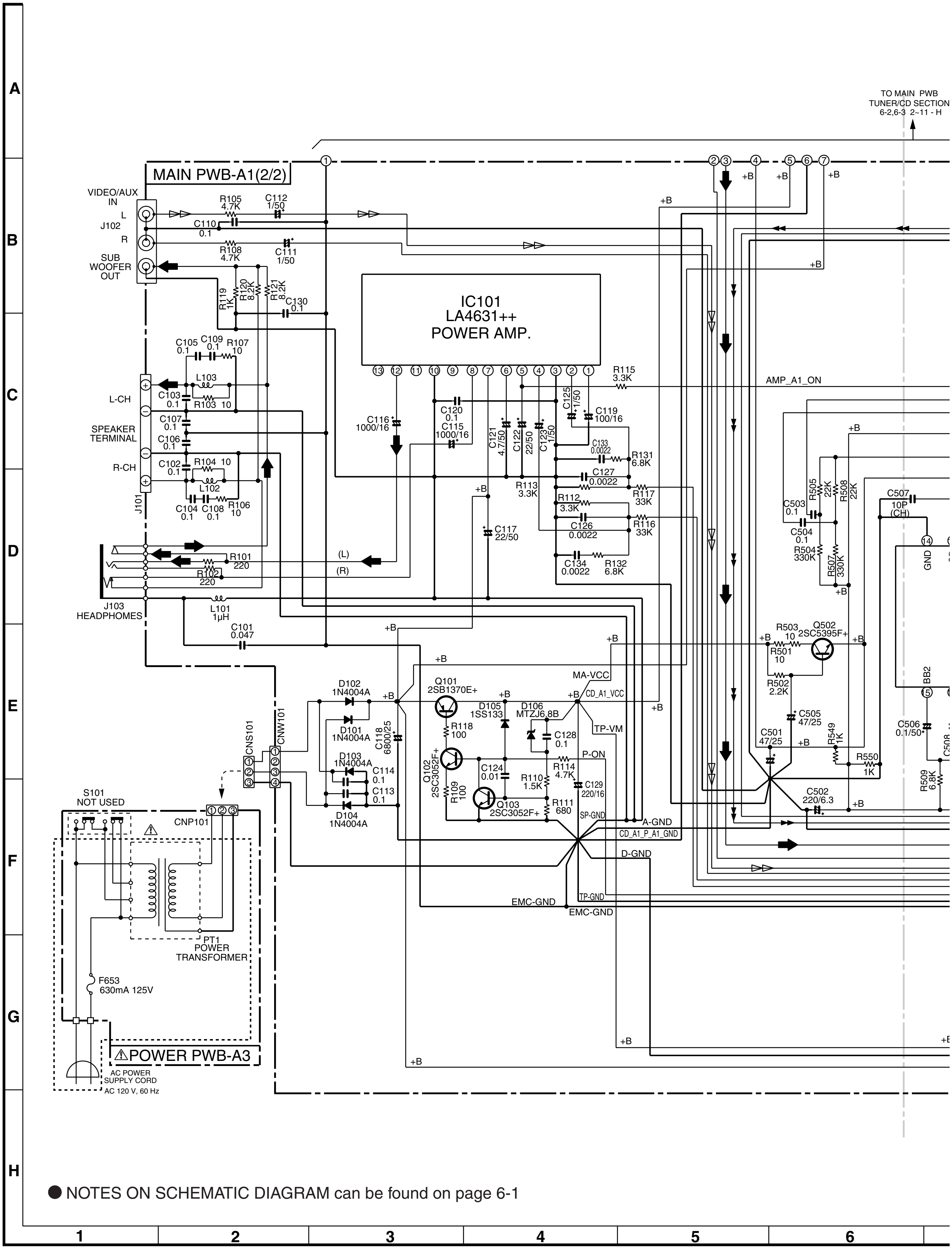
● NOTES ON SCHEMATIC DIAGRAM can be found on page 6-1

Figure 6-2 SCHEMATIC DIAGRAM (1/8)



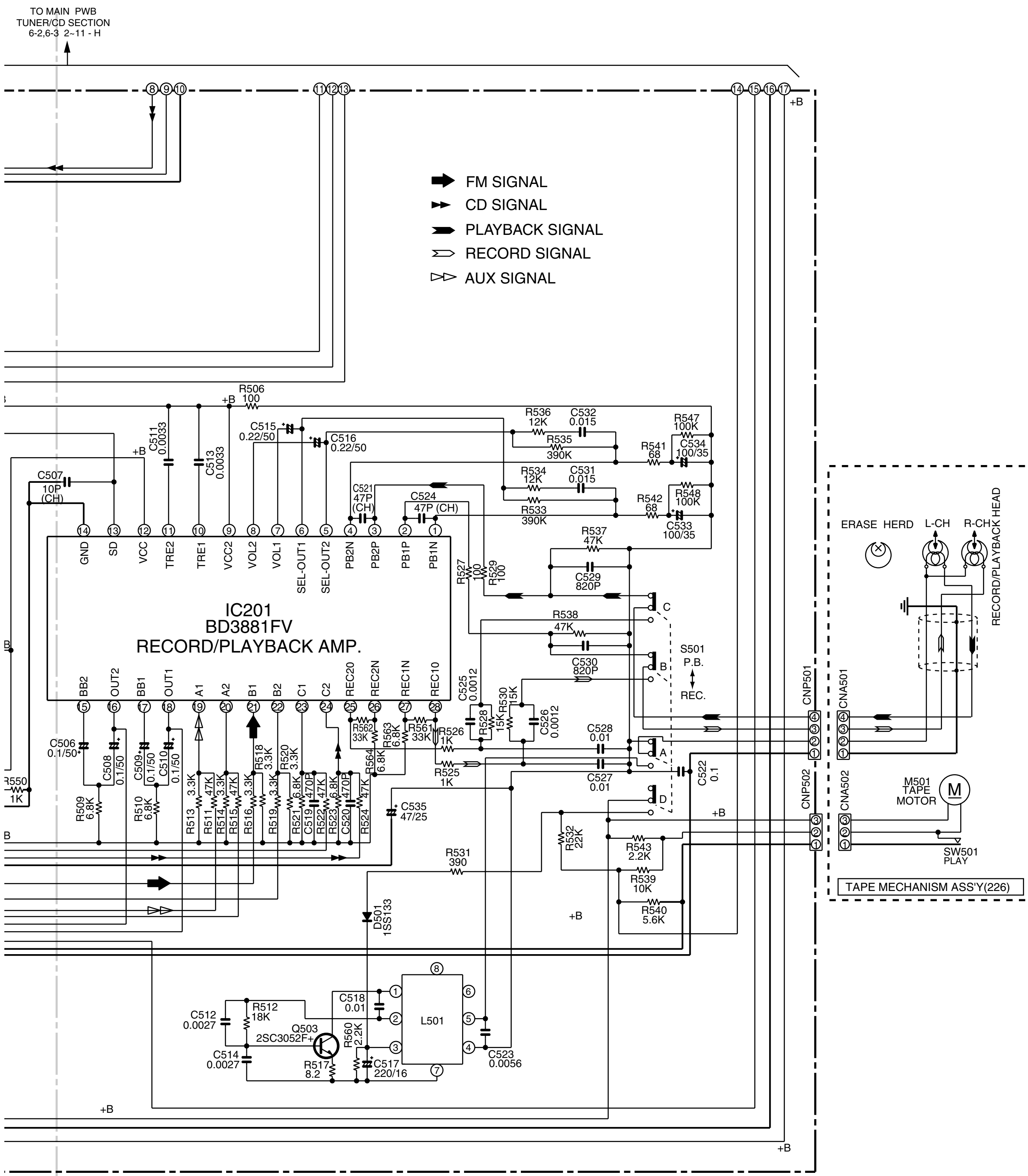
	7	8	9	10	11	12

Figure 6-3 SCHEMATIC DIAGRAM (2/8)



● NOTES ON SCHEMATIC DIAGRAM can be found on page 6-1

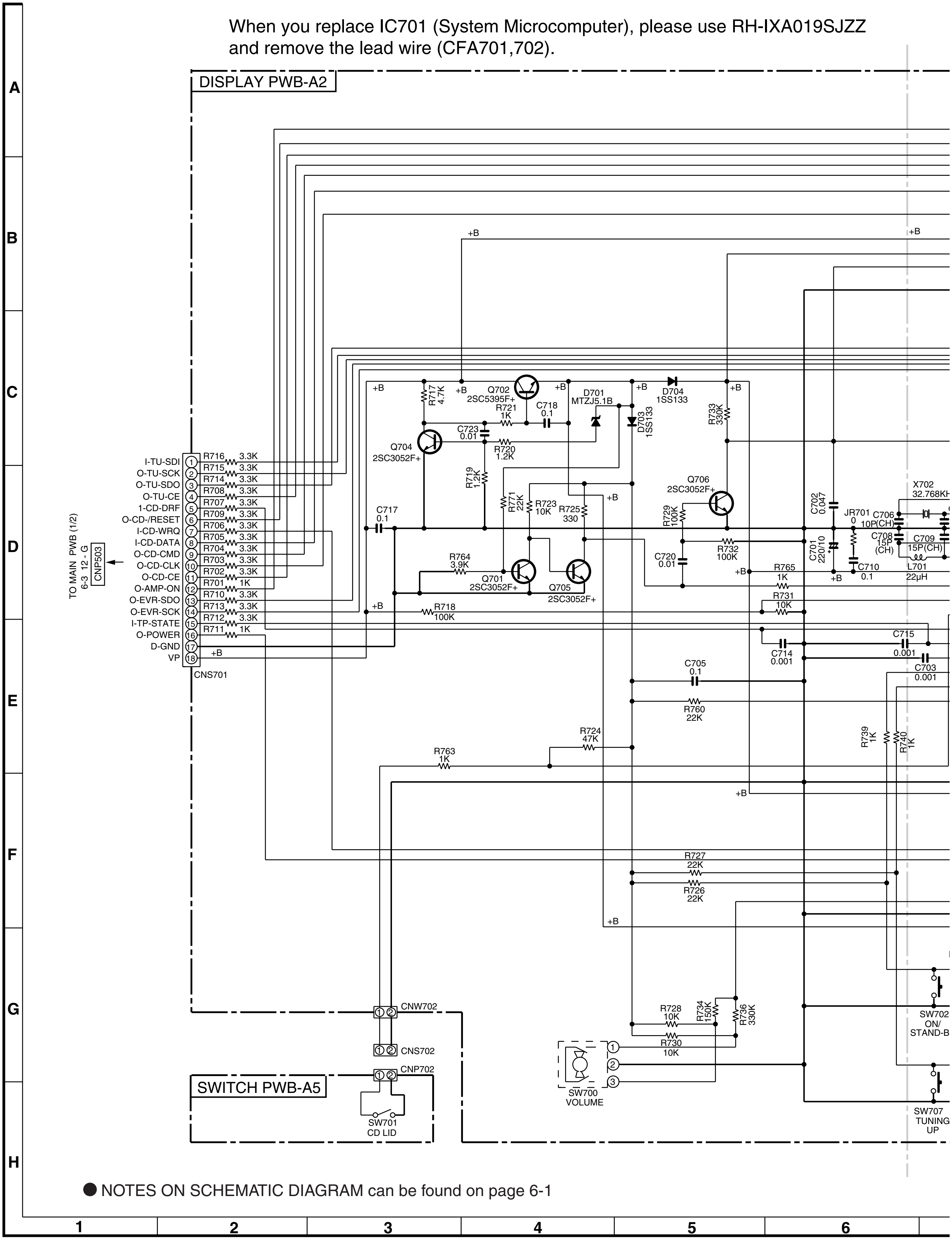
Figure 6-4 SCHEMATIC DIAGRAM (3/8)



	7	8	9	10	11	12

Figure 6-5 SCHEMATIC DIAGRAM (4/8)

When you replace IC701 (System Microcomputer), please use RH-IXA019SJZZ and remove the lead wire (CFA701,702).



● NOTES ON SCHEMATIC DIAGRAM can be found on page 6-1

Figure 6-6 SCHEMATIC DIAGRAM (5/8)

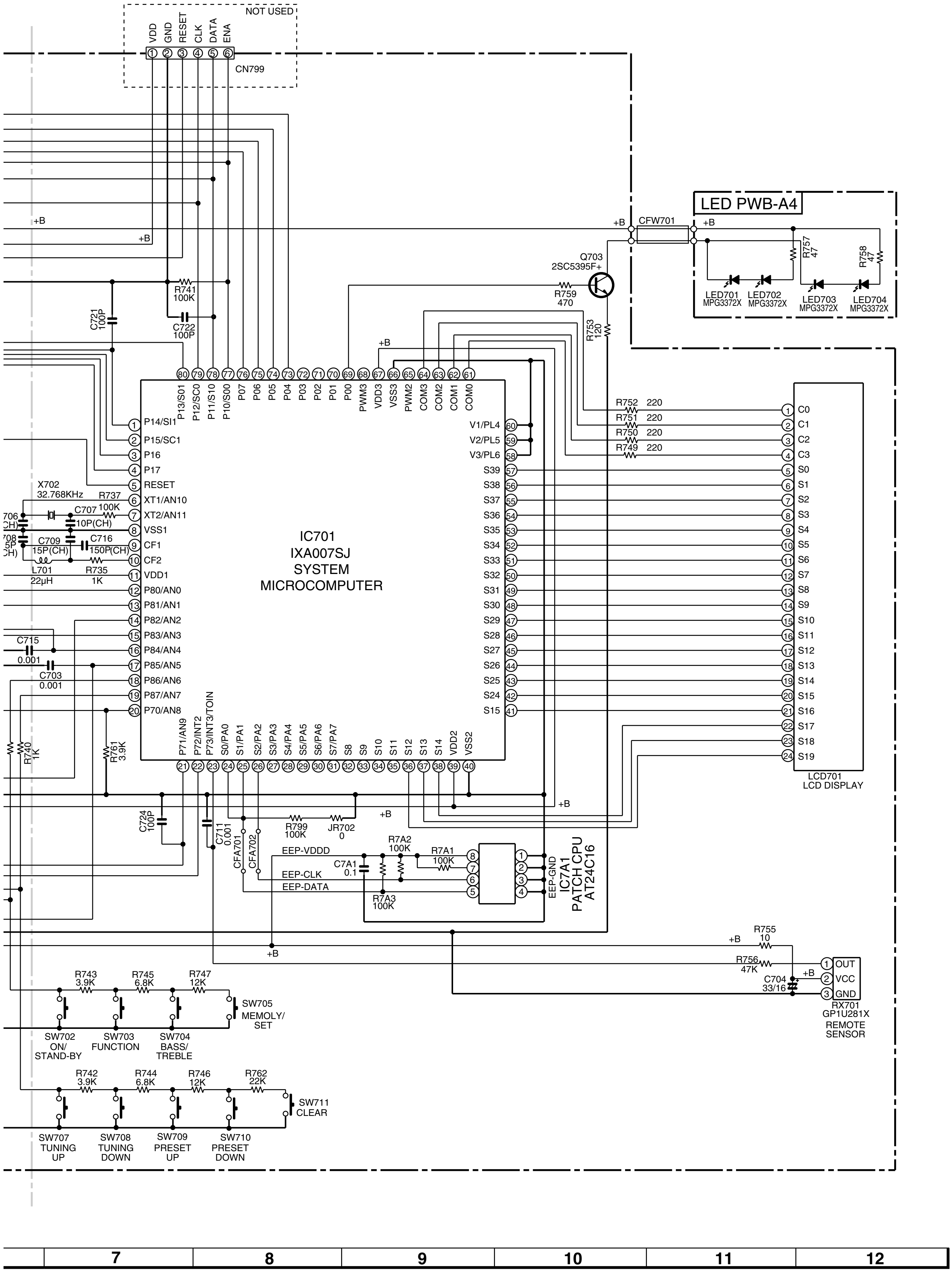
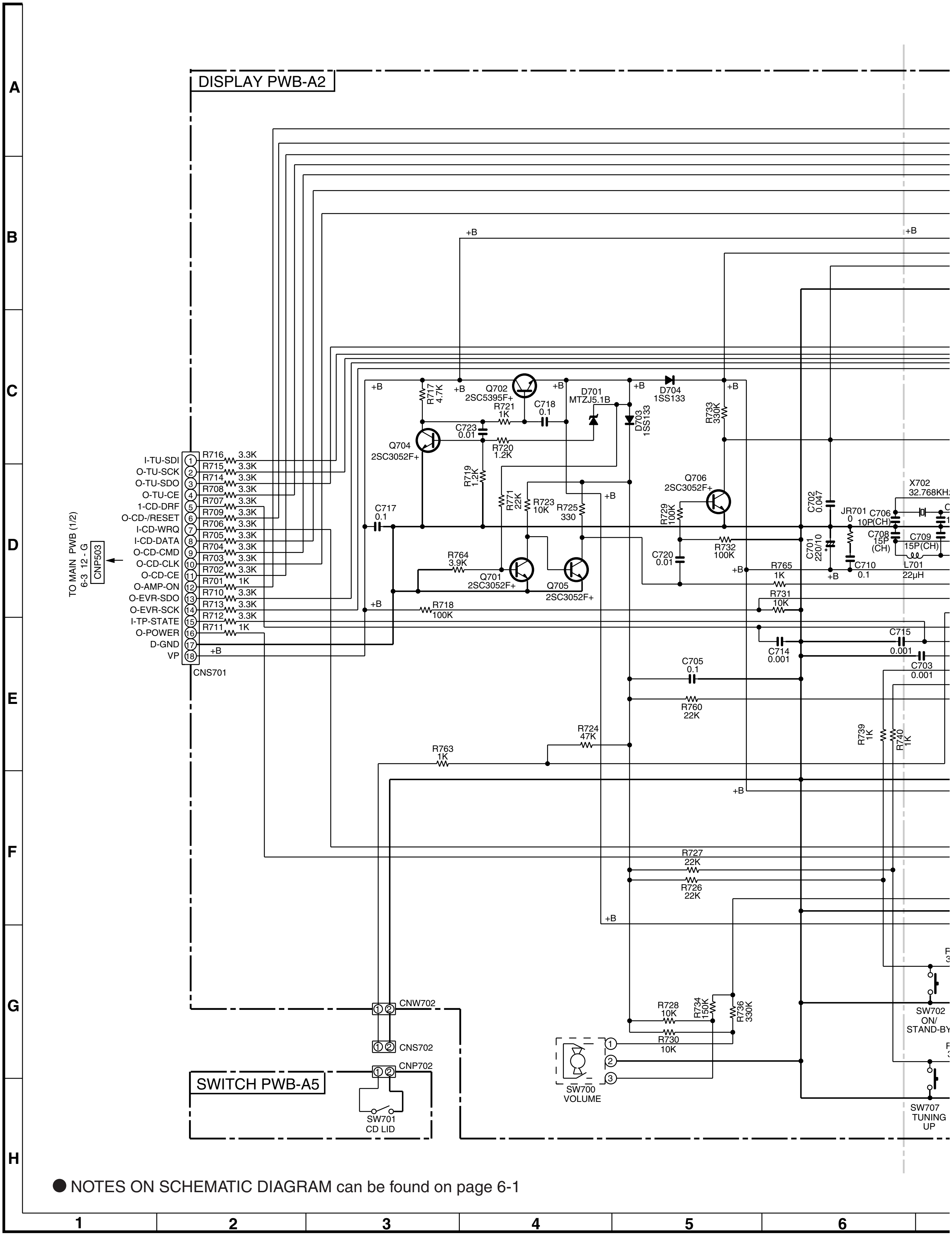


Figure 6-7 SCHEMATIC DIAGRAM (6/8)



● NOTES ON SCHEMATIC DIAGRAM can be found on page 6-1

Figure 6-8 SCHEMATIC DIAGRAM (7/8)

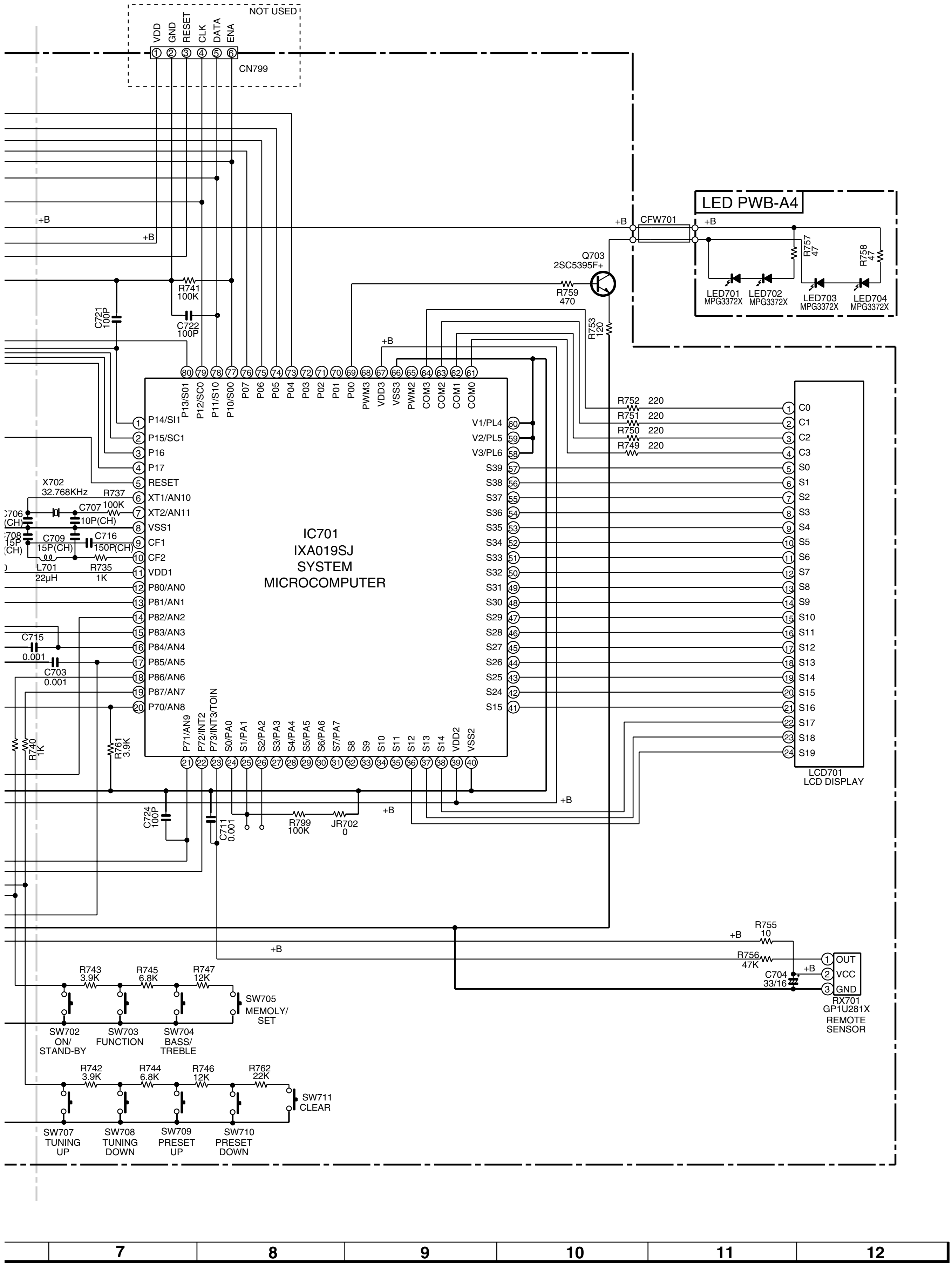


Figure 6-9 SCHEMATIC DIAGRAM (8/8)

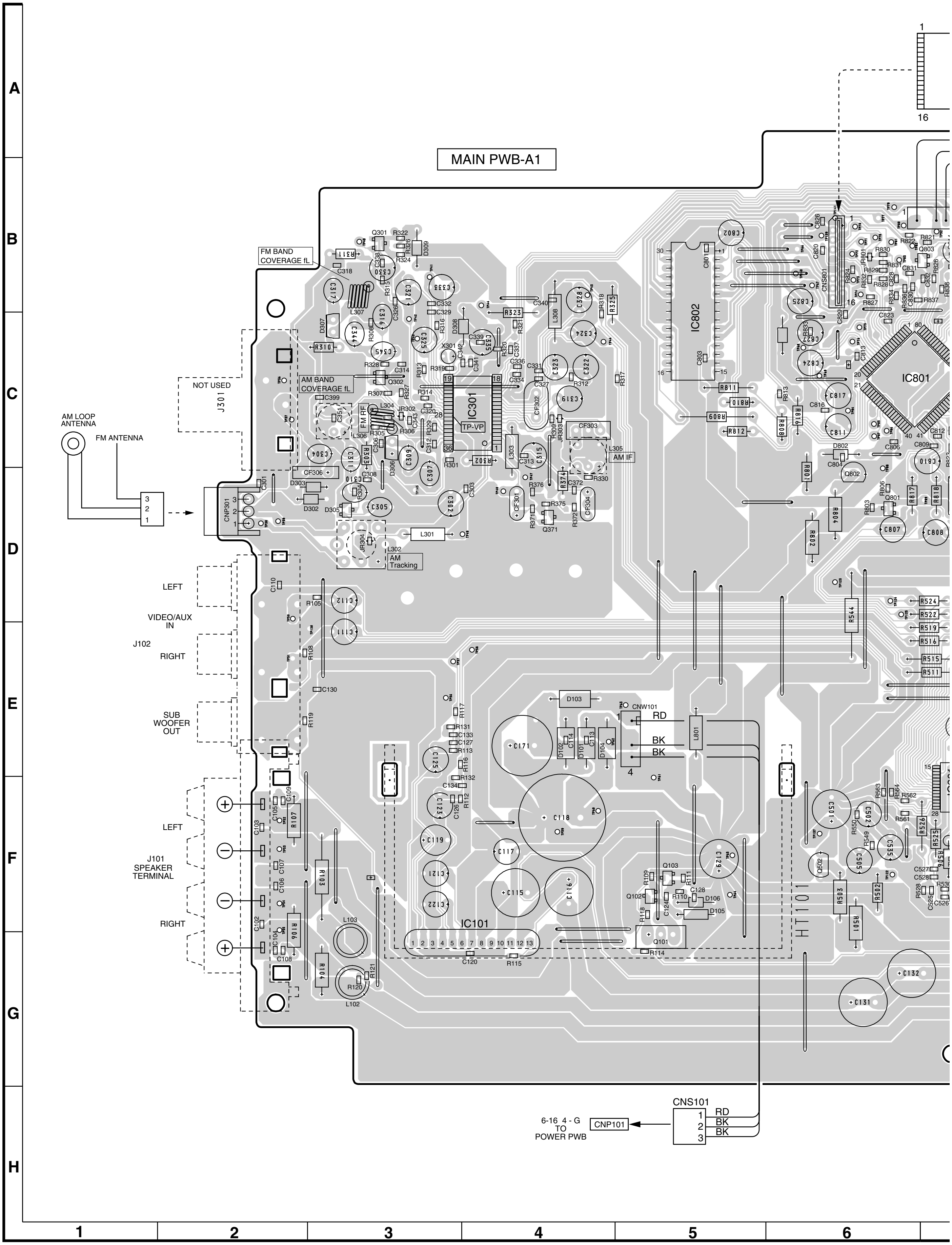
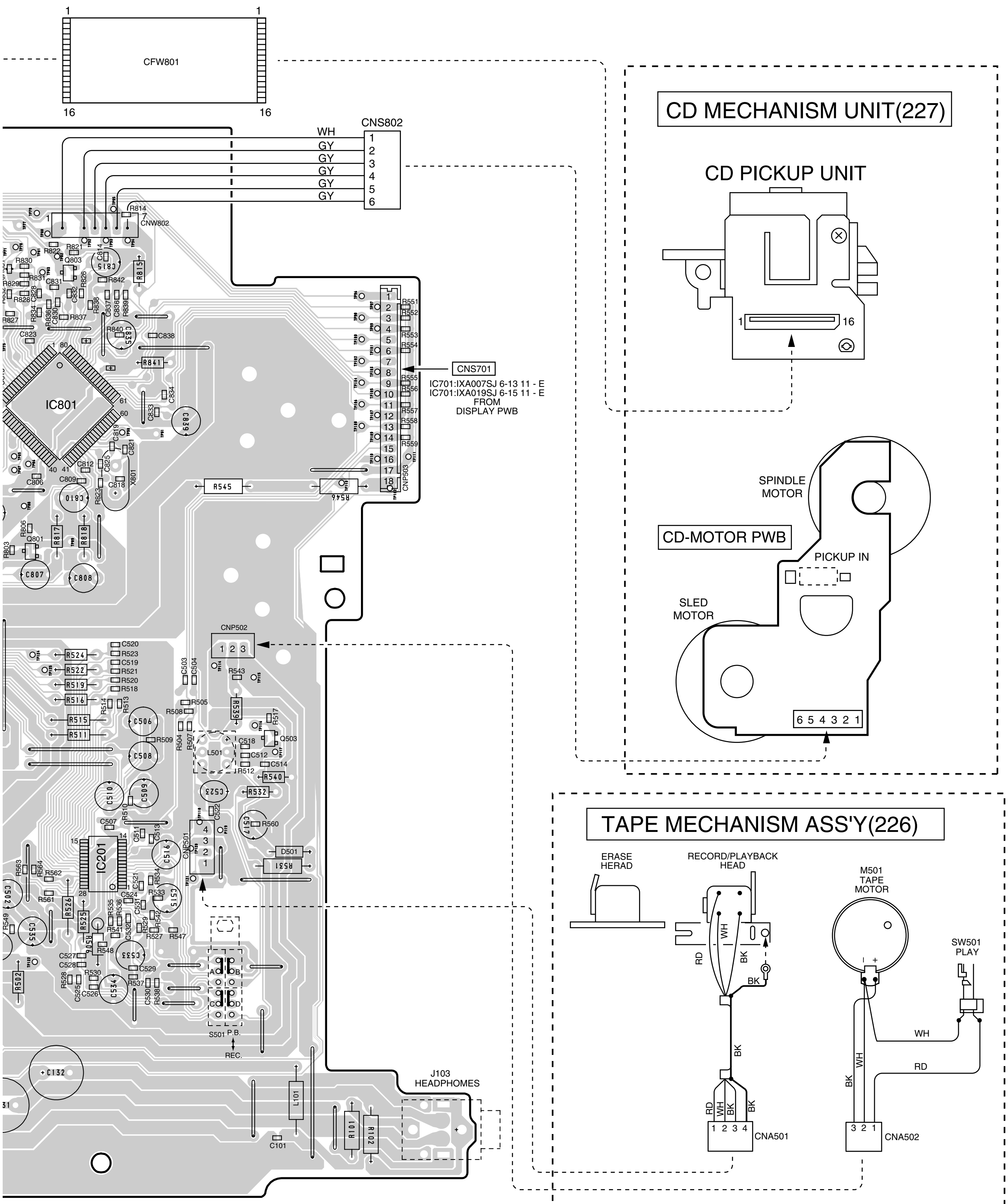
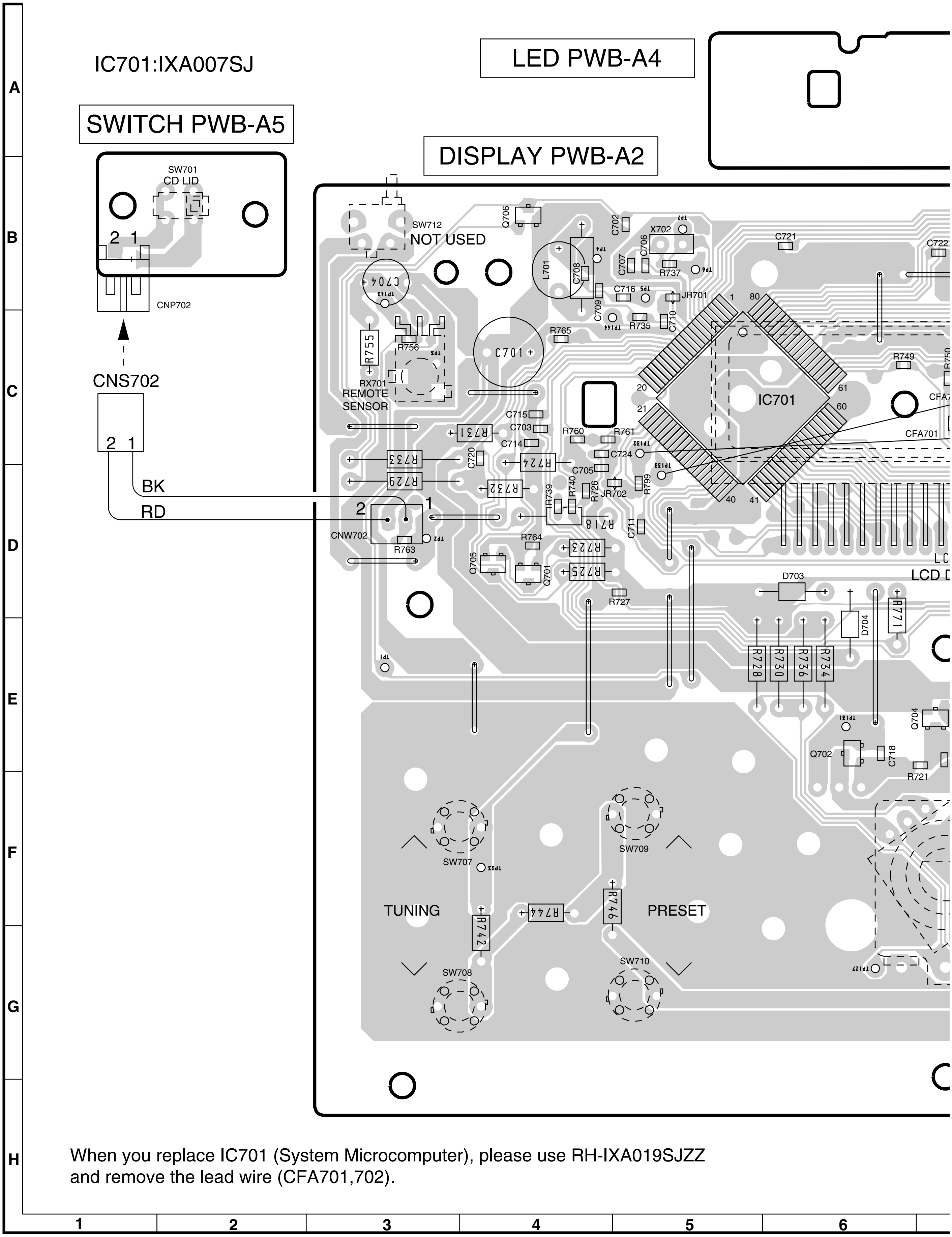


Figure 6-10 WIRING SIDE OF P.W.BOARD (1/7)



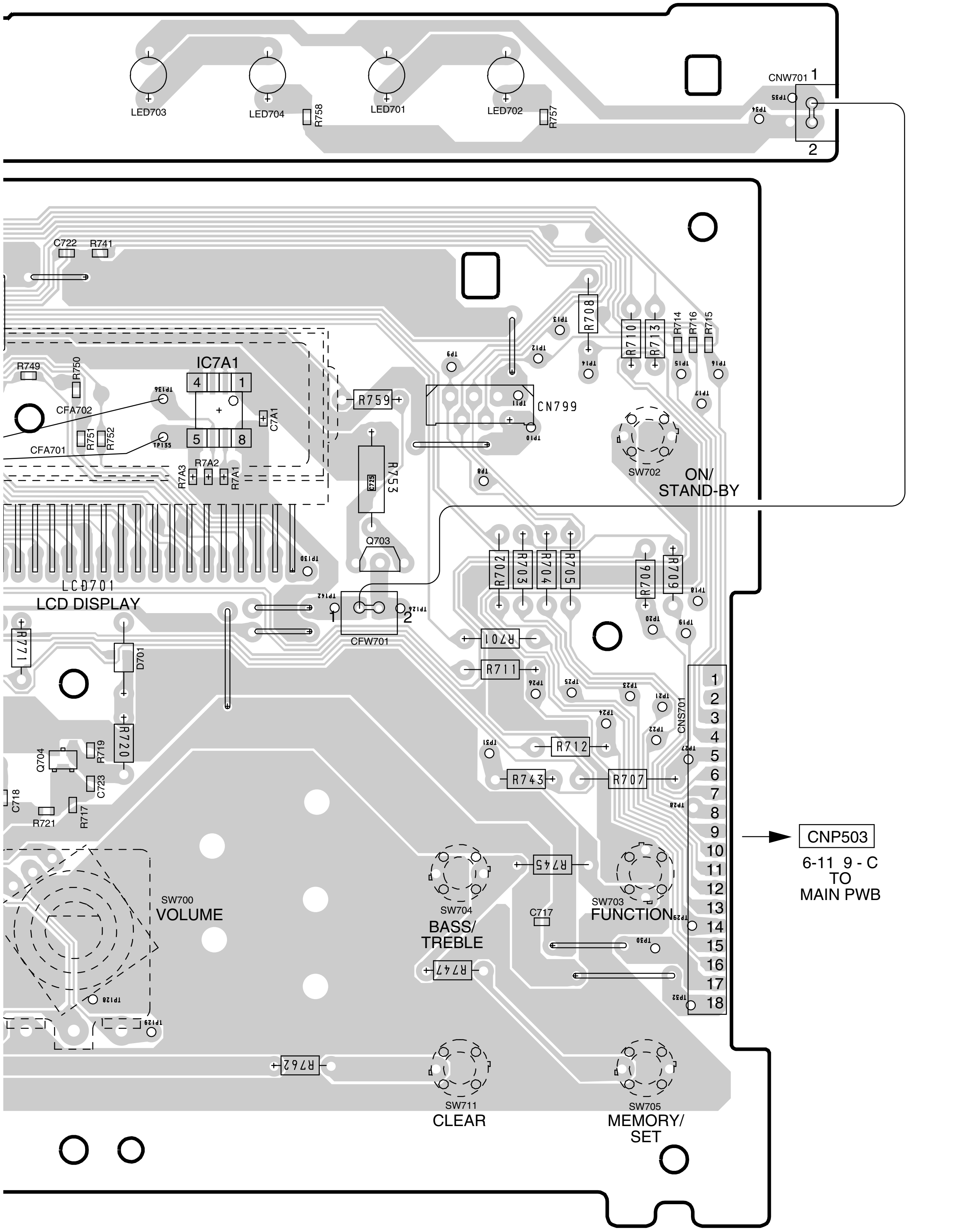
	7	8	9	10	11	12

Figure 6-11 WIRING SIDE OF P.W.BOARD (2/7)



When you replace IC701 (System Microcomputer), please use RH-IXA019SJZZ and remove the lead wire (CFA701,702).

Figure 6-12 WIRING SIDE OF P.W.BOARD (3/7)



	7	8	9	10	11	12

Figure 6-13 WIRING SIDE OF P.W.BOARD (4/7)

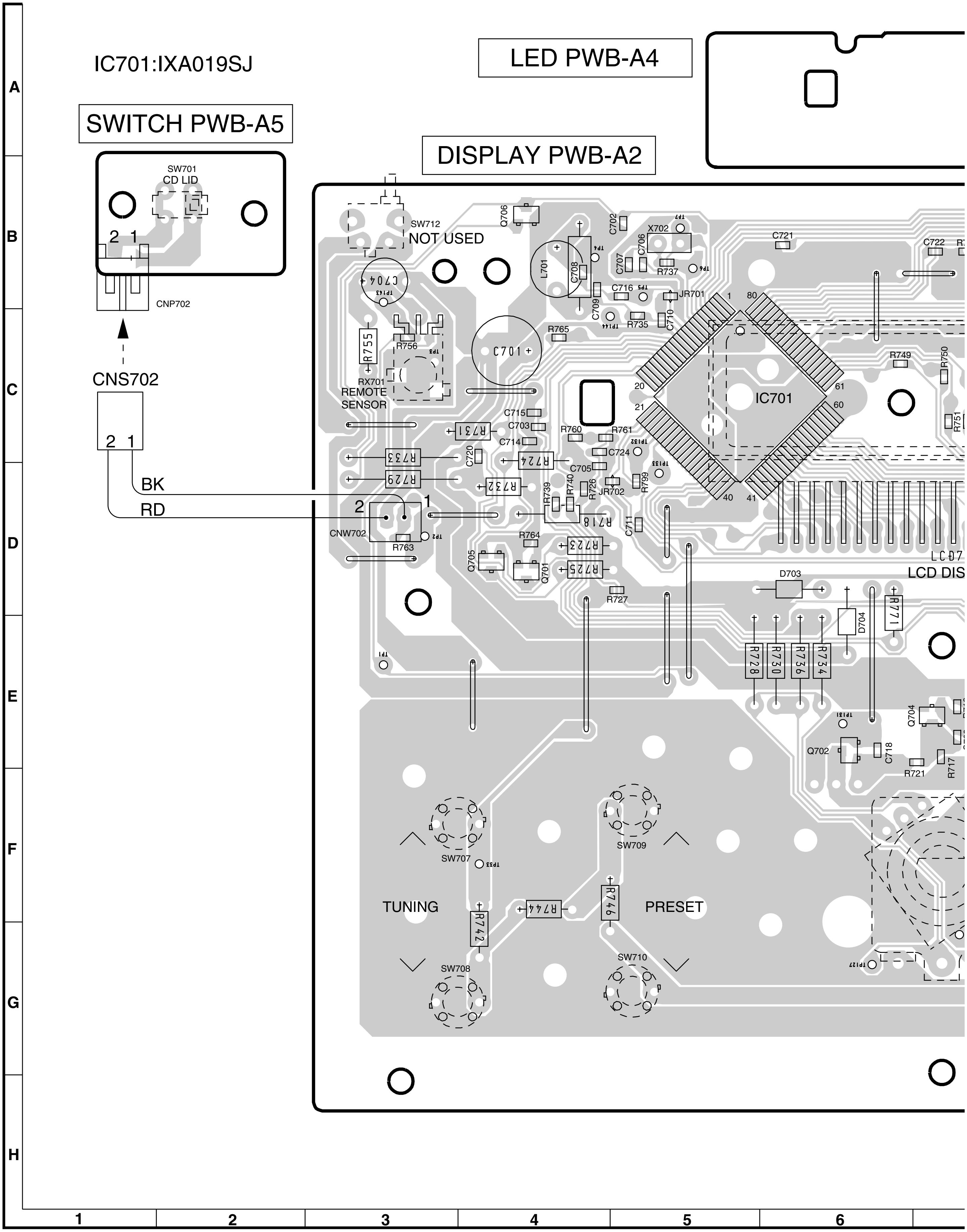


Figure 6-14 WIRING SIDE OF P.W.BOARD (5/7)

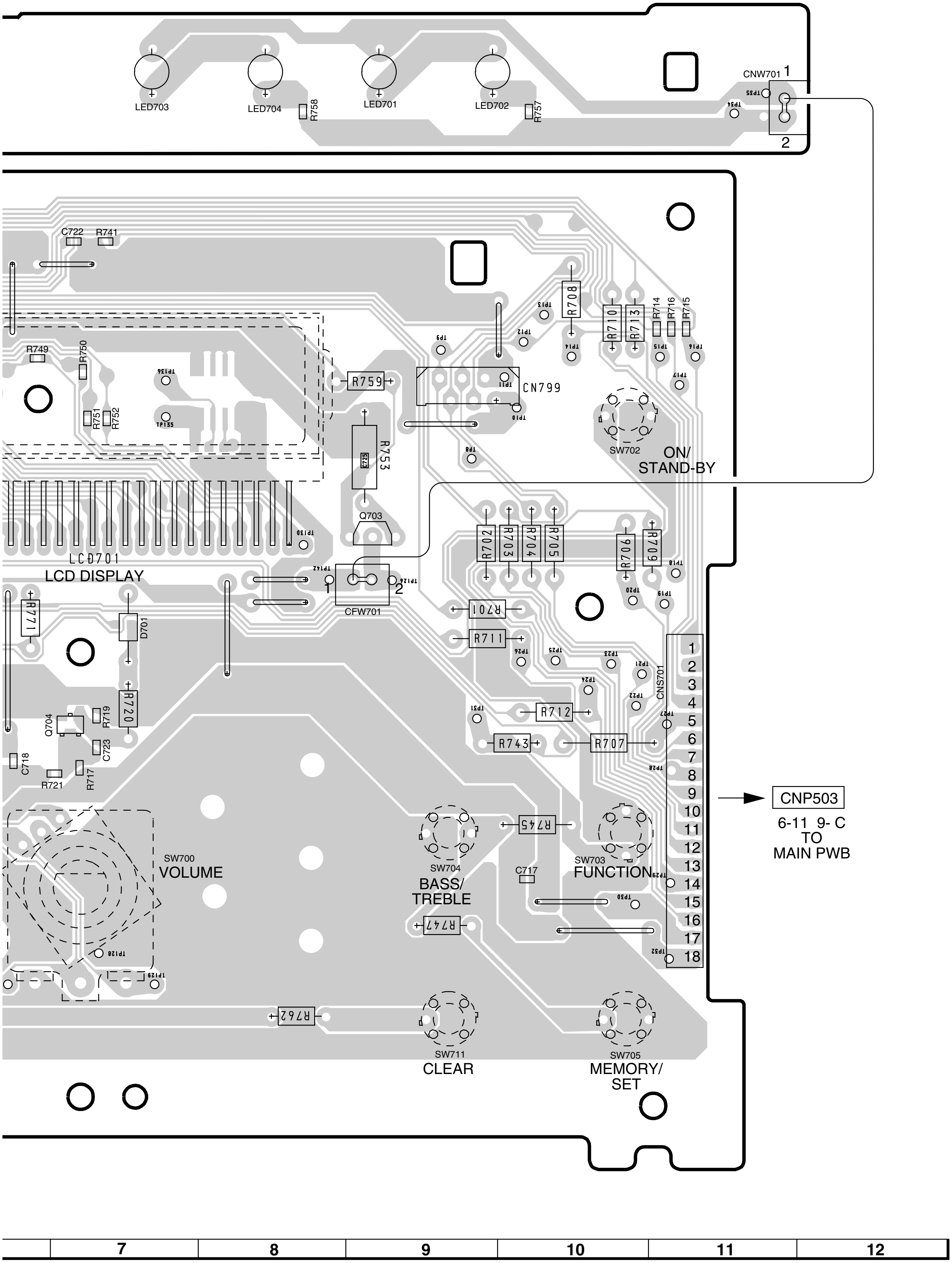


Figure 6-15 WIRING SIDE OF P.W.BOARD (6/7)

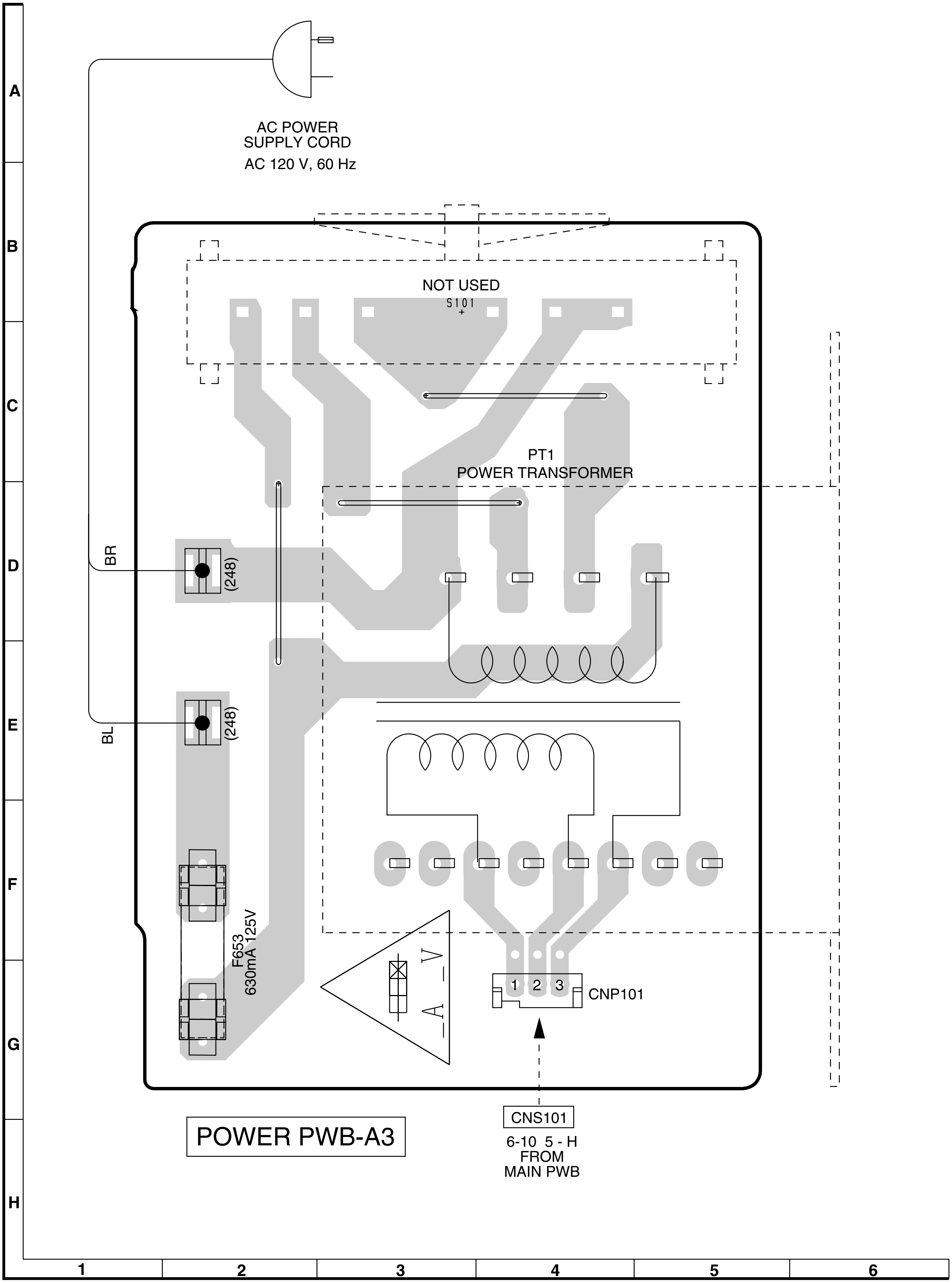


Figure 6-16 WIRING SIDE OF P.W.BOARD (7/7)

CHAPTER 7. OTHERS

[1] FUNCTION TABLE OF IC

IC701 RH-iXA007SJZZ: System Microcomputer (IXA007SJ) (1/2)

IC701 RH-iXA019SJZZ: System Microcomputer (IXA019SJ) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Terminal status		Option resistor, etc.	Function
				Reset	Active		
1	I_TU_DATA	P14	Input	L	H/L		LV23002 serial data input
2	O_TU_CLK	P15	Output	L	H/L		LV23002 serial clock output
3	O_FUNC_DATA	P16	Output	L	H/L		BD3881 CONT output
4	O_FUNC_CLK	P17	Output	L	H/L		BD3881 CONT output
5	—	RES	Input				RESET
6	—	XT1/AN10	—				Terminal connecting resonator for sub clock f=32.768kHz
7	—	XT2/AN11	—				
8	GND	VSS1	—				GND
9	—	CF1	—				Terminal connecting resonator for main clock f=8.5MHz
10	—	CF2	—				
11	VDD1	VDD1	—				Power supply +5.0V
12	I_HOLD	P80/AN0	Input	H	H		Power supply voltage monitoring input
13	I_VP_CHK	P81/AN1	Input			A/D Input	Abnormal voltage monitoring input
14	I_CD_LID	P82/AN2	Input	L	H/L		CD lid OPEN detection SW input
15	I_CD_DRF	P83/AN3	Input	L	H/L		CD DRF signal input
16	I_TP_STATE	P84/AN4	Input			A/D Input	DECK status monitoring input
17	I_VOL_ENC	P85/AN5	Input			A/D Input	VOL encoder input
18	I_KEY1	P86/AN6	Input			A/D Input	Main unit KEY input 1
19	I_KEY2	P87/AN7	Input			A/D Input	Main unit KEY input 2
20	I-SUFIX	P70/INT0/AN8	Input			A/D Input	Destination select input
21	I_CD_WRQ	P71/INT1/AN9	Input	L	H/L		CD WRQ signal input
22	O_POWER	P72/INT2	Output	L	H/L		Power ON/OFF output
23	I_REM	P73/INT3	Input	L	H/L		Remote control pulse signal input
24	IO_EEP_DATA	S0/PA0	Input/Output	L	H/L		EEPROM control data input/output (Pull-down at 100k? when not used)
25		S1/PA1					
26	O_EEP_CLK	S2/PA2	Output	L	H/L		EEPROM control clock output
27*	NC	S3/PA3	Output	L	L		“L” fixed output
28*	NC	S4/PA4	Output	L	L		
29*	NC	S5/PA5	Output	L	L		
30*	NC	S6/PA6	Output	L	L		
31*	NC	S7/PA7	Output	L	L		
32*	NC	S8/PB0	Output	L	L		
33*	NC	S9/PB1	Output	L	L		
34*	NC	S10/PB2	Output	L	L		
35*	NC	S11/PB3	Output	L	L		
36	S19	S12/PB4	—				LCD segment output
37	S18	S13/PB5	—				
38	S17	S14/PB6	—				
39	VDD2	VDD2	—				Microprocessor power supply +5.0V
40	GND	VSS2	—				Microprocessor power supply GND
41	S16	S15/PB7	—				LCD segment output
42	S15	S24/PD0	—				
43	S14	S25/PD1	—				
44	S13	S26/PD2	—				
45	S12	S27/PD3	—				
46	S11	S28/PD4	—				
47	S10	S29/PD5	—				
48	S09	S30/PD6	—				
49	S08	S31/PD7	—				
50	S07	S32/PE0	—				

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC701 RH-iXA007SJZZ: System Microcomputer (IXA007SJ) (2/2)

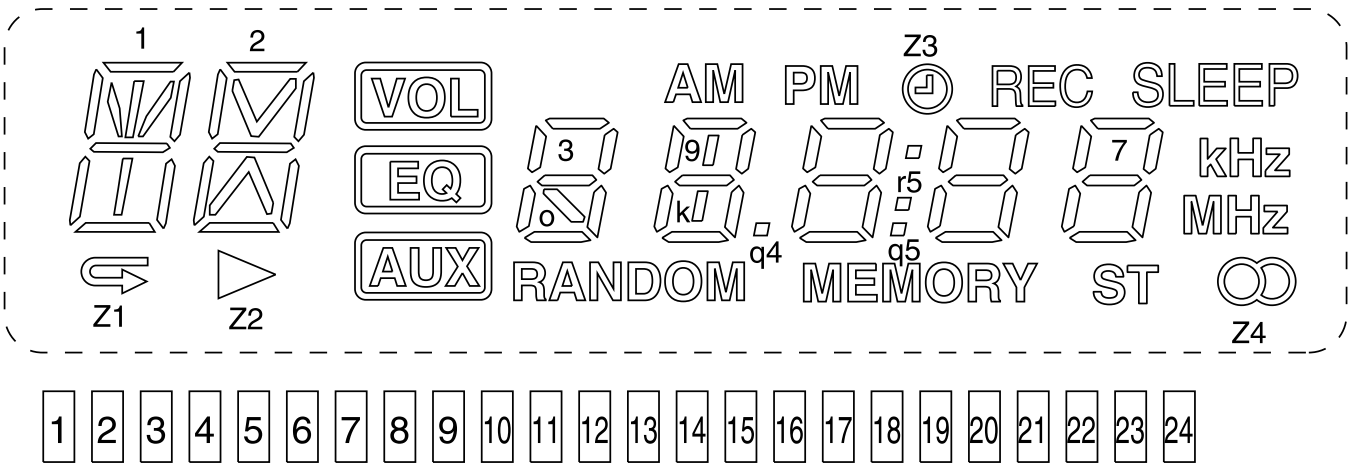
IC701 RH-iXA019SJZZ: System Microcomputer (IXA019SJ) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Terminal status		Option resistor, etc	Function
				Reset	Active		
51	S06	S33/PE1	—				LCD segment output
52	S05	S34/PE2	—				
53	S04	S35/PE3	—				
54	S03	S36/PE4	—				
55	S02	S37/PE5	—				
56	S01	S38/PE6	—				
57	S00	S39/PE7	—				
58	NC	V3/PL6	—				
59	NC	V2/PL5	—				
60	NC	V1/PL4	—				
61	COM0	COM0/PL0	—				LCD common output
62	COM1	COM1/PL1	—				
63	COM2	COM2/PL2	—				
64	COM3	COM3/PL3	—				
65	NC	PWM2	Output	L	L		“L” fixed output
66	GND	VSS3	—				Microprocessor power supply GND
67	VDD3	VDD3	—				Microprocessor power supply +5.0V
68*	NC	PWM3	Output	L	L		“L” fixed output
69	O_BK_LED	P00	Output	L	H/L		LCD Back Light output
70*	NC	P01	Output	L	L		“L” fixed output
71*	NC	P02	Output	L	L		
72*	NC	P03	Output	L	L		
73	O_AMP_ON	P04	Output	L	H/L		AMP ON output
74	O_CD_RESET	P05	Output	L	H/L		CD RESET output
75	O_CD_CE	P06	Output	L	H/L		CD serial communication chip enable output
76	O_TU_CE	P07	Output	L	H/L		LV23002 serial communication CS output
77	O_CD_DATA	P10	Output	L	H/L		CD serial communication data output
78	I_CD_DATA	P11	Input	L	H/L		CD serial communication data input
79	O_CD_CLK	P12	Output	L	H/L		CD serial communication clock output
80	O_TU_DATA	P13	Output	L	H/L		LV23002 serial communication data output

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

[2] LCD DISPLAY

RV-LX0008SJZZ



PinNo	com1	com2	com3	com4
1	com1			
2		com2		
3			com3	
4				com4
5	f2	e2	EQ	
6	a1	h1	b1	c1
7	g1	j1	k1	d1
8	i1	f1	e1	z1
9	a2	b2	c2	z2
10	m2	j2	n2	d2
11	VOL	b3	c3	AUX
12	a3	j3	p3	d3

PinNo	com1	com2	com3	com4
13		f3	e3	
14	a4	b4	c4	RANDOM
15	g4	j4	k4	d4
16	AM	f4	e4	q4
17	PM	b5	j5	c5
18	a5	f5	e5	d5
19	z3	r5	q5	MEMORY
20	a6	b6	j6	c6
21	REC	f6	e6	d6
22	b7	j7	c7	ST
23	a7	f7	e7	d7
24	SLEEP	kHz	MHz	z4

—**MEMO**—

SHARP PARTS GUIDE

MICRO COMPONENT SYSTEM

MODEL XL-S10

XL-S10 Micro Component System consisting of XL-S10 (main unit) and CP-S10 (speaker system).

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

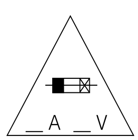
VCC .... Ceramic type
VCK .... Ceramic type
VCT .... Semiconductor type
VC • • MF .... Cylindrical type (without lead wire)
VC • • MN .... Cylindrical type (without lead wire)
VC • • TV .... Square type (without lead wire)
VC • • TQ .... Square type (without lead wire)
VC • • CY .... Square type (without lead wire)
VC • • CZ .... Square type (without lead wire)
VC • • • • • • • • • J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD .... Carbon-film type
VRS .... Carbon-film type
VRN .... Metal-film type
VR • • MF .... Cylindrical type (without lead wire)
VR • • MN .... Cylindrical type (without lead wire)
VR • • TV .... Square type (without lead wire)
VR • • TQ .... Square type (without lead wire)
VR • • CY .... Square type (without lead wire)
VR • • CZ .... Square type (without lead wire)
VR • • • • • • • • • J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.



CAUTION:FOR CONTINUED
PROTECTION AGAINST FIRE
HAZARD, REPLACE ONLY WITH
SAME TYPE F653 630mA 125V FUSES.

ATTENTION:POUR ASSURER
UNE LONGUE PROTECTION CONTRE
UN INCENDIE, REMPLACER SEULEMENT
PAR UN FUSIBLE DE
TYPE F653 630mA 125V FUSES.

NOTE:

Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

INTEGRATED CIRCUITS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
IC7A1	————	J		Patch Cpu,AT24C16 (Not Replacement Item)
IC101	VHILA4631++-1	J	AM	Power Amp.,LA4631++
IC201	VHIBD3881FV-1	J	AP	Record/Playback Amp., BD3881FV
IC301	VHILV23002M-1	J	AS	FM FRONT END/PLL (Tuner)/ FM IF Det./FM Mpx./AM IF, LV23002M
IC701	————	J	—	System Microcomputer, IXA007SJ (Not Replacement Item)
IC701	RH-IXA019SJZZ	J	AW	System Microcomputer, IXA019SJ
IC801	VHILC78646E-1	J	AY	Servo/Signal,LC78646E
IC802	VHILA6548ND-1	J		Focus/Tracking/Spin/Sled Driver, LA6548ND

TRANSISTORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
Q101	VS2SB1370E+-1	J	AG	Silicon,PNP,2SB1370 E+
Q102,103	VS2SC3052F+-1	J	AD	Silicon,NPN,2SC3052 F+
Q301	VS2SC3052F+-1	J	AD	Silicon,NPN,2SC3052 F+
Q302	VS2SC5477++-1	J	AD	Silicon,NPN,2SC5477++
Q371	VS2SC5477++-1	J	AD	Silicon,NPN,2SC5477++
Q502	VS2SC5395F+-1	J	AD	Silicon,NPN,2SC5395 F+
Q503	VS2SC3052F+-1	J	AD	Silicon,NPN,2SC3052 F+
Q701	VS2SC3052F+-1	J	AD	Silicon,NPN,2SC3052 F+
Q702,703	VS2SC5395F+-1	J	AD	Silicon,NPN,2SC5395 F+
Q704~706	VS2SC3052F+-1	J	AD	Silicon,NPN,2SC3052 F+
Q801	VS2SC3052F+-1	J	AD	Silicon,NPN,2SC3052 F+
Q802	VS2SC5395F+-1	J	AD	Silicon,NPN,2SC5395 F+
Q803	VS2SA1235F+-1	J	AD	Silicon,PNP,2SA1235 F+

DIODES

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
⚠ D101~104	VHD1N4004A/-1	J	AB	Silicon,1N4004A
D105	VHD1SS133//-1	J	AA	Silicon,1SS133
D106	VHEMTZJ6R8B-1	J	AC	Zener,6.8V,MTZJ6.8B
D302,303	VHD1SS133//-1	J	AA	Silicon,1SS133
D305	VHCSVC347S/-1	J	AG	Variable Capacitance,SVC347S
D306,307	VHCSVC201//-1	J	AE	Variable Capacitance,SVC201
D308	VHEMTZJ3R6B-1	J	AC	Zener,3.6V,MTZJ3.6B
D309	VHEMTZJ120B-1	J	AC	Zener,12V,MTZJ120B
D501	VHD1SS133//-1	J	AA	Silicon,1SS133
D701	VHEMTZJ5R1B-1	J	AC	Zener,5.1V,MTZJ5.1B
D703,704	VHD1SS133//-1	J	AA	Silicon,1SS133
D801	VHEMTZJ5R1B-1	J	AC	Zener,5.1V,MTZJ5.1B
D802	VHEMTZJ3R9B-1	J	AC	Zener,3.9V,MTZJ3.9B
LED701~704	VHPMPG3372X-V	J	AD	LED,Green,MPG3372X

FILTERS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CF301	RFILFA001SJZZ	J	AE	FM IF
CF302	RFILF0003AWZZ	J	AK	FM IF
CF303	RFILA0003SJZZ	J	AF	AM IF
CF304	RFILFA001SJZZ	J	AE	FM IF
CF306	RFILR0008AWZZ	J	AE	Band Pass Filter

TRANSFORMERS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
⚠ PT1	RTRNPA007SJZZ	J	AX	Power

COILS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
L101	VP-DH1R0K0000	J	AC	1 µH
L102,103	RCILZA001SJZZ	J	AC	Line Filter
L301	VP-DH1R0K0000	J	AC	1 µH
L302	RCILA0007SJZZ	J	AG	AM Antenna
L303	VP-DH100K0000	J	AB	10 µH,Choke
L304	RCILRA001SJZZ	J	AA	FM RF
L305	RCILIA001SJZZ	J	AC	AM IF
L306	RCILB0009SJZZ	J	AG	AM OSC.
L307	RCILBA005SJZZ	J		FM OSC.
L308	VP-DH470K0000	J	AB	47 µH,Choke
L501	RCILBA001SJZZ	J	AE	BIAS OSC.
L701	VP-DH220K0000	J	AB	22 µH,Choke
L801	VP-DH100K0000	J	AB	10 µH,Choke

VIBRATORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
X301	RCRSPA001SJZZ	J	AE	Crystal,75 kHz
X702	RCRSP0007SJZZ	J	AE	Crystal,32.768 kHz
X801	RCRSP0011SJZZ	J	AE	Crystal,16.9344 MHz

CAPACITORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C7A1	VCKYCY1HF104Z	J	AB	0.1 µF,50V (Serial No.40100001~40104000)
C101	VCKYCY1EF473Z	J	AB	0.047 µF,25V
C102~110	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C111,112	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
⚠ C113,114	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C115,116	RC-GZV108AF1C	J	AD	1000 µF,16V,Electrolytic
C117	RC-GZA226AF1H	J	AB	22 µF,50V,Electrolytic
C118	RC-GZW688AF1E	J	AH	6800 µF,25V,Electrolytic
C119	RC-GZA107AF1C	J	AB	100 µF,16V,Electrolytic
C120	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C121	RC-GZA475AF1H	J	AB	4.7 µF,50V,Electrolytic
C122	RC-GZA226AF1H	J	AB	22 µF,50V,Electrolytic
C123	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C124	VCKYCY1HB103K	J	AA	0.01 µF,50V
C125	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C126,127	VCKYCY1HB222K	J	AA	0.0022 µF,50V
C128	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C129	RC-GZA227AF1C	J	AB	220 µF,16V,Electrolytic
C130	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C133,134	VCKYCY1HB222K	J	AA	0.0022 µF,50V
C301	VCKYCY1HB102K	J	AA	0.001 µF,50V
C302	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C303	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C305	VCCCPA1HH120J	J	AA	12 pF (CH),50V
C306	VCKYCY1HB103K	J	AA	0.01 µF,50V
C307	VCCUPA1HJ100D	J	AA	10 pF (UJ),50V
C308	VCKYCY1EB183K	J	AB	0.018 µF,25V
C309	VCKYPA1HB102J	J	AA	0.001 µF,50V
C310	VCCCPA1HH270J	J	AA	27 pF (CH),50V
C311	VCCSPA1HL561J	J	AA	560 pF,50V
C312,313	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C314	VCKYCY1HB103K	J	AA	0.01 µF,50V
C315	RC-GZA226AF1H	J	AB	22 µF,50V,Electrolytic
C316	VCCUPA1HJ330D	J	AA	33 pF (UJ),50V
C317	VCKYPA1HB102J	J	AA	0.001 µF,50V
C318	VCKYCY1HB103K	J	AA	0.01 µF,50V
C319	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C320	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C321	RC-GZA334AF1H	J	AA	0.33 µF,50V,Electrolytic
C322	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C323	RC-GZA474AF1H	J	AA	0.47 µF,50V,Electrolytic
C324	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C325	RC-GZA226AF1H	J	AB	22 µF,50V,Electrolytic
C326	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C327	VCKYCY1HB103K	J	AA	0.01 µF,50V
C328	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C329	VCKYCY1HB223K	J	AA	0.022 µF,50V
C330	RC-GZA226AF1H	J	AB	22 µF,50V,Electrolytic
C331	VCKYCY1HB103K	J	AA	0.01 µF,50V
C332	VCKYCY1HB102K	J	AA	0.001 µF,50V
C333	RC-GZA475AF1H	J	AB	4.7 µF,50V,Electrolytic
C334	VCKYCY1HB101K	J	AB	100 pF,50V
C335	RC-GZA226AF1H	J	AB	22 µF,50V,Electrolytic
C336,337	VCKYCY1HB101K	J	AB	100 pF,50V
C338~340	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C341,342	VCCCCY1HH100J	J	AA	10 pF (CH),50V
C343	VCCCCY1HH5R0C	J	AA	5 pF (CH),50V
C344	VCCUPA1HJ330D	J	AA	33 pF (UJ),50V
C345	VCKYPA1HB5R0J	J	AA	5 pF,50V
C351	VCKYCY1HB223K	J	AA	0.022 µF,50V
C372	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C399	VCKYCY1HB472K	J	AA	0.0047 µF,50V
C501	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C502	RC-GZA227AF0J	J	AB	220 µF,6.3V,Electrolytic
C503,504	VCKYCY1EB104K	J	AD	0.1 µF,25V
C505	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C506	RC-GZA104AF1H	J	AB	0.1 µF,50V,Electrolytic
C507	VCCCCY1HH100J	J	AA	10 pF (CH),50V
C508~510	RC-GZA104AF1H	J	AB	0.1 µF,50V,Electrolytic
C511	VCKYCY1HB332K	J	AA	0.0033 µF,50V
C512	VCKYCY1HB272K	J	AA	0.0027 µF,50V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C513	VCKYCY1HB332K	J	AA	0.0033 μF,50V
C514	VCKYCY1HB272K	J	AA	0.0027 μF,50V
C515,516	RC-GZA224AF1H	J	AA	0.22 μF,50V,Electrolytic
C517	RC-GZA227AF1C	J	AB	220 μF,16V,Electrolytic
C518	VCKYCY1HB103K	J	AA	0.01 μF,50V
C519,520	VCKYCY1HB471K	J	AA	470 pF,50V
C521	VCCCCY1HH470J	J	AA	47 pF (CH),50V
C522	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C523	VCQYKA1HM562J	J	AA	0.0056 μF,50V,Mylar
C524	VCCCCY1HH470J	J	AA	47 pF (CH),50V
C525,526	VCKYCY1HB122K	J	AA	0.0012 μF,50V
C527,528	VCKYCY1HB103K	J	AA	0.01 μF,50V
C529,530	VCKYCY1HB821K	J	AA	820 pF,50V
C531,532	VCKYCY1HB153K	J	AA	0.015 μF,50V
C533,534	RC-GZA107AF1V	J	AB	100 μF,35V,Electrolytic
C535	RC-GZA476AF1E	J	AB	47 μF,25V,Electrolytic
C701	RC-GZA227AF1A	J	AB	220 μF,10V,Electrolytic
C702	VCKYCY1HB473K	J	AB	0.047 μF,50V
C703	VCKYCY1HB102K	J	AA	0.001 μF,50V
C704	RC-GZA336AF1C	J	AB	33 μF,16V,Electrolytic
C705	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C706,707	VCCCCY1HH100J	J	AA	10 pF (CH),50V
C708,709	VCCCCY1HH150J	J	AA	15 pF (CH),50V
C710	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C711	VCKYCY1HB102K	J	AA	0.001 μF,50V
C714,715	VCKYCY1HB102K	J	AA	0.001 μF,50V
C716	VCCCCY1HH151J	J	AA	150 pF (CH),50V
C717,718	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C720	VCKYCY1HB103K	J	AA	0.01 μF,50V
C721,722	VCKYCY1EB101K	J	AA	100 pF,25V
C723	VCKYCY1HB103K	J	AA	0.01 μF,50V
C724	VCKYCY1EB101K	J	AA	100 pF,25V
C801	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C802	RC-GZA107AF1A	J	AB	100 μF,10V,Electrolytic
C803,804	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C806	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C807,808	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C809	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C810	RC-GZA107AF0J	J	AB	100 μF,6.3V,Electrolytic
C811	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C812	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C813	VCCSCY1HL470J	J	AA	47 pF,50V
C814	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C815	RC-GZA107AF0J	J	AB	100 μF,6.3V,Electrolytic
C816	VCKYCY1HB222K	J	AA	0.0022 μF,50V
C817	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C818	VCCCCY1HH120J	J	AA	12 pF (CH),50V
C819,820	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C821	VCCCCY1HH120J	J	AA	12 pF (CH),50V
C823	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C824	RC-GZA107AF0J	J	AB	100 μF,6.3V,Electrolytic
C825	RC-GZA336AF1C	J	AB	33 μF,16V,Electrolytic
C826	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C827	RC-GZA107AF0J	J	AB	100 μF,6.3V,Electrolytic
C828	VCKYCY1HB222K	J	AA	0.0022 μF,50V
C829	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C830	VCKYCY1HB101K	J	AB	100 pF,50V
C831	VCKYCY1EB104K	J	AD	0.1 μF,25V
C832	VCKYCY1EF473Z	J	AB	0.047 μF,25V
C833,834	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C835	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C836	VCKYCY1EF473Z	J	AB	0.047 μF,25V
C837	VCKYCY1EB104K	J	AD	0.1 μF,25V
C838	VCKYCY1EB101K	J	AA	100 pF,25V

RESISTORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
JR302~304	VRS-CY1JB000J	J	AA	0 ohm,Jumper,0.8×1.55mm,Green
JR701,702	VRS-CY1JB000J	J	AA	0 ohm,Jumper,0.8×1.55mm,Green
JR801	VRS-CY1JB000J	J	AA	0 ohm,Jumper,0.8×1.55mm,Green
R7A1	VRS-CY1JB104J	J	AA	100 kohm,1/16W (Serial No.40100001~40104000)
R7A2	VRS-CY1JB104J	J	AA	100 kohm,1/16W (Serial No.40100001~40104000)
R7A3	VRS-CY1JB104J	J	AA	100 kohm,1/16W (Serial No.40100001~40104000)
R101,102	VRD-ST2CD221J	J	AA	220 ohms,1/6W
R103,104	VRD-ST2CD100J	J	AA	10 ohm,1/6W
R105	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W
R106,107	VRD-ST2CD100J	J	AA	10 ohm,1/6W
R108	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W
R109	VRS-CY1JB101J	J	AA	100 ohm,1/16W
R110	VRS-CY1JB152J	J	AA	1.5 kohms,1/16W
R111	VRS-CY1JB681J	J	AA	680 ohms,1/16W
R112,113	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R114	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W
R115	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R116,117	VRS-CY1JB333J	J	AA	33 kohms,1/16W
R118	VRS-CY1JB101J	J	AA	100 ohm,1/16W
R119	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R120,121	VRS-CY1JB822J	J	AA	8.2 kohms,1/16W
R131,132	VRS-CY1JB682J	J	AA	6.8 kohms,1/16W
R302	VRD-ST2CD100J	J	AA	10 ohm,1/6W
R303	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R304,305	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R306	VRS-CY1JB100J	J	AA	10 ohm,1/16W
R307	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R308	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R309	VRS-CY1JB000J	J	AA	0 ohm,Jumper,0.8×1.55mm,Green
R310	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R311	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R312	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R313	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R314,315	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W
R316	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R317,318	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R319	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R320	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R321	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R322	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R323	VRD-ST2CD391J	J	AA	390 ohms,1/6W
R324	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R325	VRD-ST2CD470J	J	AA	47 ohms,1/6W
R326	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R327	VRS-CY1JB221J	J	AA	220 ohms,1/16W
R328	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R329	VRS-CY1JB331J	J	AA	330 ohms,1/16W
R371	VRS-CY1JB330J	J	AA	33 ohms,1/16W
R372	VRS-CY1JB331J	J	AA	330 ohms,1/16W
R374	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R375	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R376	VRS-CY1JB681J	J	AA	680 ohms,1/16W
R501	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R502	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R503	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R504	VRS-CY1JB334J	J	AA	330 kohms,1/16W
R505	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R506	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R507	VRS-CY1JB334J	J	AA	330 kohms,1/16W
R508	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R509,510	VRS-CY1JB682J	J	AA	6.8 kohms,1/16W
R511	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R512	VRS-CY1JB183J	J	AA	18 kohms,1/16W
R513,514	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R515	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R516	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R517	VRS-CY1JB8R2J	J	AA	8.2 ohms,1/16W
R518	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R519	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R520	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R521	VRS-CY1JB682J	J	AA	6.8 kohms,1/16W
R522	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R523	VRS-CY1JB682J	J	AA	6.8 kohms,1/16W
R524	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R525,526	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R527	VRS-CY1JB101J	J	AA	100 ohm,1/16W
R528	VRS-CY1JB153J	J	AA	15 kohms,1/16W
R529	VRS-CY1JB101J	J	AA	100 ohm,1/16W
R530	VRS-CY1JB153J	J	AA	15 kohms,1/16W
R531	VRD-ST2CD391J	J	AA	390 ohms,1/6W
R532	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R533	VRS-CY1JB394J	J	AA	390 kohms,1/16W
R534	VRS-CY1JB123J	J	AA	12 kohms,1/16W
R535	VRS-CY1JB394J	J	AA	390 kohms,1/16W
R536	VRS-CY1JB123J	J	AA	12 kohms,1/16W
R537,538	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R539	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R540	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R541,542	VRS-CY1JB680J	J	AA	68 ohms,1/16W
R543	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R544~546	VRD-ST2EE180J	J	AA	18 ohms,1/4W
R547,548	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R549,550	VRS-CY1JB102J	J	AA	1 kohm,1/16W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R551~559	VRS-CY1JB682J	J	AA	6.8 kohms,1/16W
R560	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R561,562	VRS-CY1JB333J	J	AA	33 kohms,1/16W
R563,564	VRS-CY1JB682J	J	AA	6.8 kohms,1/16W
R701	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R702~710	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R711	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R712,713	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R714~716	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R717	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W
R718	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R719	VRS-CY1JB122J	J	AA	1.2 kohms,1/16W
R720	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R721	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R723	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R724	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R725	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R726,727	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R728	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R729	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R730,731	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R732	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R733	VRD-ST2CD334J	J	AA	330 kohms,1/6W
R734	VRD-ST2CD154J	J	AA	150 kohms,1/6W
R735	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R736	VRD-ST2CD334J	J	AA	330 kohms,1/6W
R737	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R739,740	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R741	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R742,743	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R744,745	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
R746,747	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R749~752	VRS-CY1JB221J	J	AA	220 ohms,1/16W
R753	VRD-ST2EE121J	J	AA	120 ohms,1/4W
R755	VRD-ST2CD100J	J	AA	10 ohm,1/6W
R756	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R757,758	VRS-CY1JB470J	J	AA	47 ohms,1/16W
R759	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R760	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R761	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W
R762	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R763	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R764	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W
R765	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R771	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R799	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R801	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R802	VRD-ST2EE120J	J	AA	12 ohms,1/4W
R803	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R804	VRD-ST2EE120J	J	AA	12 ohms,1/4W
R806	VRS-CY1JB153J	J	AA	15 kohms,1/16W
R808	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
R809	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R810	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R811	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R812	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R813	VRS-CY1JB101J	J	AA	100 ohm,1/16W
R814	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R815	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R816	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R817,818	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R821	VRS-CY1JB100J	J	AA	10 ohm,1/16W
R822	VRS-CY1JB471J	J	AA	470 ohms,1/16W
R823	VRS-CY1JB470J	J	AA	47 ohms,1/16W
R824	VRS-CY1JB101J	J	AA	100 ohm,1/16W
R825	VRS-CY1JB221J	J	AA	220 ohms,1/16W
R826	VRS-CY1JB471J	J	AA	470 ohms,1/16W
R827	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R828~831	VRS-CY1JB333J	J	AA	33 kohms,1/16W
R832,833	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R834	VRS-CY1JB273J	J	AA	27 kohms,1/16W
R836	VRS-CY1JB331J	J	AA	330 ohms,1/16W
R837	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R838	VRS-CY1JB122J	J	AA	1.2 kohms,1/16W
R839,840	VRS-CY1JB681J	J	AA	680 ohms,1/16W
R841	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R842	VRS-CY1JB123J	J	AA	12 kohms,1/16W

OTHER CIRCUITRY PARTS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CFA701	QCNWN0215SJZZ	J	AA	Lead Wire (Serial No.40100001~40104000)
CFA702	QCNWN0300SJZZ	J	AA	Lead Wire (Serial No.40100001~40104000)
CFW701	QCNWN0505SJZZ	J	AA	Flat Wire,2Pin
CFW801	QCNWNA053SJZZ	J	AE	Flat Cable,16Pin
CNA501	QCNWNA026SJZZ	J	AD	Connector Ass'y,4Pin
CNA502	QCNWNA027SJZZ	J	AC	Connector Ass'y,3Pin
CNP101	QCNCM998CAFZZ	J	AE	Plug,3Pin
CNP301	QCNCM042CSJZZ	J	AB	Plug,3Pin
CNP501	QCNCM999DAFZZ	J	AG	Plug,4Pin
CNP502	QCNCM999CAFZZ	J	AG	Plug,3Pin
CNP503	QCNCM010TAWZZ	J	AD	Plug,18Pin
CNP702	QCNCM932BAFZZ	J	AA	Plug,2Pin
CNS701	QCNCW010TAWZZ	J	AE	Socket,18Pin
CNS801	QCNCW011RSJZZ	J	AF	Socket,16Pin
CNW101/CNS101	QCNWNA025SJZZ	J	AD	Connector Ass'y,4/3Pin
CNW702/CNS702	QCNWNA001SJZZ	J	AC	Connector Ass'y,2/2Pin
CNW802/CNS802	QCNWNA028SJZZ	J	AE	Connector Ass'y,7/6Pin
⚠ F653	QFS-D631BSJNI	J	AE	Fuse,630mA/125V
J101	QTANA0008SJZZ	J	AE	Terminal,Speakers
J102	QSOCJ0301SJZZ	J	AG	Jack,VIDEO/AUX In/Sub Woofer Out
J103	QJAKM0001SJZZ	J	AG	Jack,Headphone
LCD701	RV-LX0008SJZZ	J	AM	LCD Display
M501	————		—	Motor with Pulley [Tape] (Supplied at REF No.226)
RX701	VHLGP1U281X-1	J	AH	Remote Sensor,GP1U281X
S501	QSW-SA001SJZZ	J	AE	Switch,Slide Type [Record/Playback]
SW501	————		—	Switch,Leaf Type [Play] (Supplied at REF No.226)
SW700	QSW-Z0003SJZZ	J	AG	Switch,Rotary Type [VOLUME]
SW701	QSW-P0004AWZZ	J	AE	Switch,Push Type [CD LID]
SW702	QSW-K0002SJZZ	J	AC	Switch,Key Type [ON/STAND-BY]
SW703	QSW-K0002SJZZ	J	AC	Switch,Key Type [FUNCTION]
SW704	QSW-K0002SJZZ	J	AC	Switch,Key Type [BASS/TRBLE]
SW705	QSW-K0002SJZZ	J	AC	Switch,Key Type [MEMORY/SET]
SW707	QSW-K0002SJZZ	J	AC	Switch,Key Type [TUNING UP]
SW708	QSW-K0002SJZZ	J	AC	Switch,Key Type [TUNING DOWN]
SW709	QSW-K0002SJZZ	J	AC	Switch,Key Type [PRESET UP]
SW710	QSW-K0002SJZZ	J	AC	Switch,Key Type [PRESET DOWN]
SW711	QSW-K0002SJZZ	J	AC	Switch,Key Type [CLEAR]

CABINET PARTS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
201	CCABBA007SJ01	J		Rear Panel Ass'y [Except for U.S.A.]
201	CCABBA008SJ01	J		Rear Panel Ass'y [For U.S.A.]
201- 1	————		—	Rear Panel
201- 2	PCUSGA002SJSA	J	AB	Cushion,Leg
202	CDORT0010SJ04	J		CD Lid Ass'y
202- 1	————		—	CD Lid
202- 2	HDECQ0109SJSA	J	AD	CD Lid Window
203	CHLDM1011SJ01	J	AE	Stabilizer Ass'y
203- 1	————		—	Stabilizer
203- 2	PMAGF0002AWZZ	J	AE	Magnet
203- 3	PCUSZA001SJZZ	J		Cushion Sheet
204	GCABCA001SJSA	J	AL	Top Cabinet
205	GCABDA001SJSA	J	AK	Bottom Chassis
206	GCOVAA001SJSA	J	AG	Cover,Cassette Holder
207	GCOVAA002SJSA	J	AD	Cover,Remote Sensor
208	GDORFA001SJSA	J	AF	Cassette Holder
209	GITASA001SJSA	J	AK	Side Panel,Right
210	GITASA002SJSA	J	AK	Side Panel,Left
211	HDECQA035SJSA	J	AL	Front Clear Panel
212	HDECQA002SJSA	J	AE	Cassette Holder Window
213	HDECQA003SJSA	J	AF	Ring,VOLUME Knob
214	HPNLCA001SJSA	J	AQ	Front Panel
215	JBTN-A001SJSA	J	AE	Cassette Button,RECORD
216	JBTN-A002SJSA	J	AE	Cassette Button,PLAY
217	JBTN-A003SJSA	J	AE	Cassette Button,REW
218	JBTN-A004SJSA	J	AE	Cassette Button,FF
219	JBTN-A005SJSA	J	AE	Cassette Button,STOP/EJECT
220	JBTN-A006SJSA	J	AE	Cassette Button,PAUSE

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
221	JKNBKA001SJSA	J	AG	Button,Power
222	JKNBZ0081SJSA	J	AD	Button,CD Eject
223	JKNBZA001SJSA	J	AF	Knob,VOLUME
224	JKNBZA002SJSA	J	AG	Button,Function
225	JKNBZA003SJSA	J	AG	Button,Tuning
226	KMECBA001SJ01	J	AY	Tape Mechanism Ass'y
226- 1	————		—	Tape Mechanism Ass'y (Not Replacement Item)
226- 2	LANGKA003SJFW	J	AB	Bracket,Record Lver
⚠ 227	KRPLE0022SJM2	J	BC	CD Mechanism Ass'y
228	LANGKA002SJFW	J	AB	Bracket,PWB
229	LHLDTA002SJSA	J	AD	Holder,Transformer
230	LHLDW1001SJZZ	J	AD	Nylon Band
231	LHLDZA001SJSA	J	AE	Holder,LCD Display
232	LHLDZA002SJSA	J	AD	Holder,LED
233	LHLDZA003SJSA	J	AC	Lever,Record
234	MLEVP0003SJZZ	J	AB	Lever,CD Eject Button
235	MLEVPA001SJSA	J	AD	Holder,Cassette Button
236	MSPRD0025SJFJ	J	AD	Spring,CD Lid
237	MSPRDA001SJFJ	J	AD	Spring,Cassette Holder
238	MSPRDA002SJFJ	J	AD	Spring,Record Lver
239	NGERH0003SJSA	J	AE	Damper Gear
240	GCOVA1038SJSA	J	AD	Cover,Mechanism
241	PCUSG0001AWSA	J	AD	Cushion (GREEN)
242	PCUSG0004AWSA	J	AD	Cushion (BROWN)
243	PCUSGA001SJSA	J	AB	Cushion,Leg
244	PRDARA001SJFW	J	AF	Heat Sink
245	PSHEP0002SJZZ	J	AH	Sheet,LCD Display
⚠ 246	QACCUA001SJ00	J	AH	AC Power Supply Cord
⚠ 247	QFSHD1013CEZZ	J	AB	Holder,Fuse
⚠ 248	QLUGP0165AFZZ	J	AA	Lug Terminal
250	TSPC-A026SJZZ	J		Label,Specification [For U.S.A.]
250	TSPC-A027SJZZ	J		Label,Specification [Except for U.S.A.]
251	PCOVZA003SJSA	J		Cover
601	LX-EZ0001SJFN	J	AB	Screw,ø2.5×10mm
602	LX-JZ0010AFFD	J	AA	Screw,ø3×10mm
604	XHBSD20P03000	J	AA	Screw,ø2×3mm
605	XJBSD25P10000	J	AD	Screw,ø2.5×10mm
606	XJBSD30P08000	J	AA	Screw,ø3×8mm
607	XJBSD30P10000	J	AA	Screw,ø3×10mm
608	XJBSF25P08000	J	AA	Screw,ø2.5×8mm
609	XJBSF30P12000	J	AA	Screw,ø3×12mm
610	XJBSF30P10000	J	AA	Screw,ø3×10mm

SPEAKER BOX PARTS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	B3CPXLS10	J		Speaker Box Ass'y,L-CH/R-CH

PACKING PARTS [Except for U.S.A.]

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	SPAKAA003SJZZ	J	AE	Packing Add.,Top
	SPAKAA004SJZZ	J	AE	Packing Add.,Bottom
	SPAKCA044SJZZ	J		Packing Case
	SPAKSA002SJZZ	J	AE	Side Pad,Set
	SSAKAA007SJZZ	J	AB	Polyethylene Bag,AC Cord
	SSAKA0002SJZZ	J	AE	Polyethylene Bag,Accessories
	SSAKHA002SJZZ	J	AC	Polyethylene Bag,Unit
	TLABZA008SJZZ	J	AC	Label,Pop

ACCESSORIES

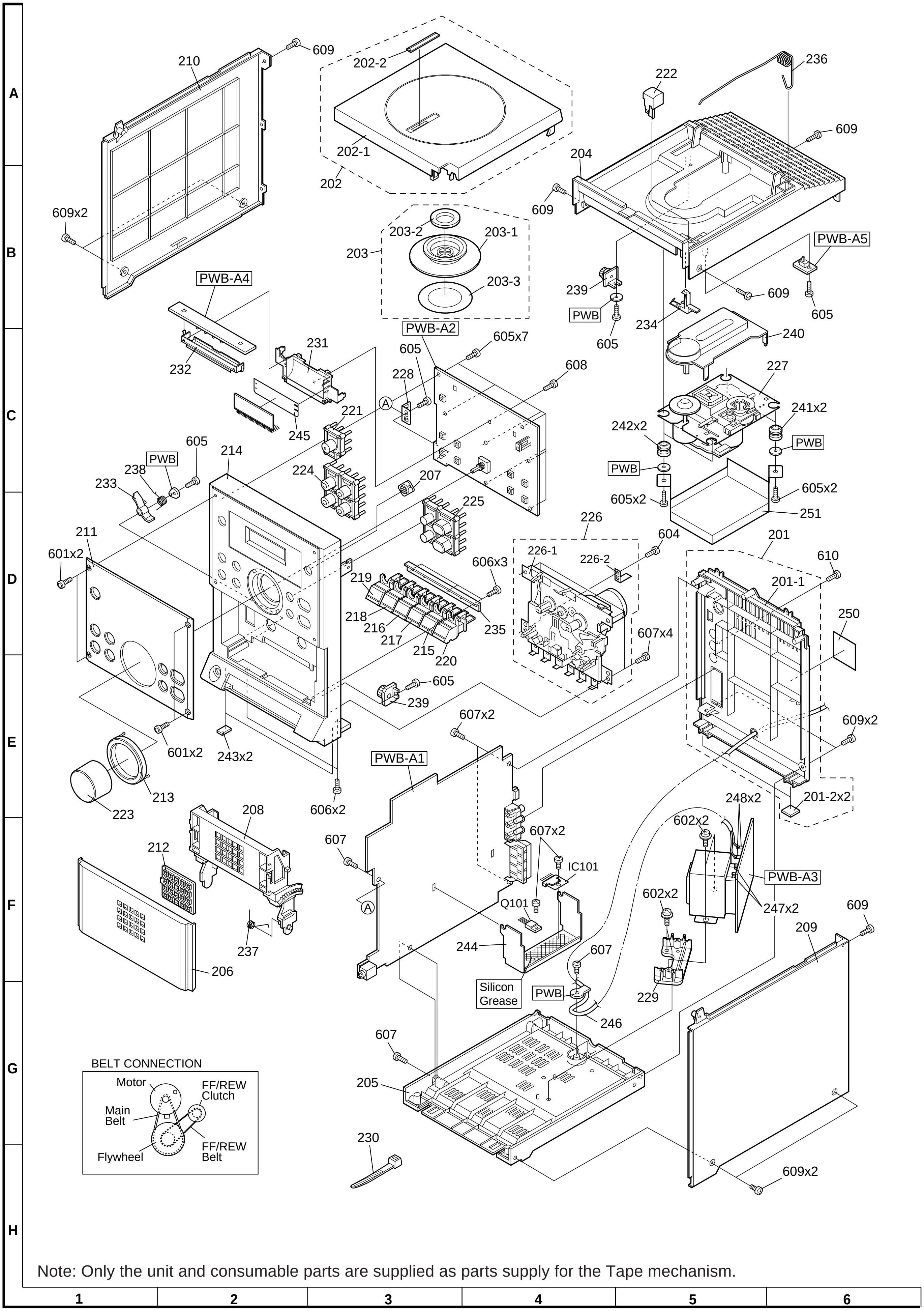
NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	QANTL0004SJZZ	J	AG	AM Loop/FM Antenna
	TINSEA018SJZZ	J	AE	Operation Manual [For U.S.A.]
	TINSKA004SJZZ	J		Operation Manual [Except for U.S.A.]
	TINSZA012SJZZ	J	AD	Quic Guide [For U.S.A. Only]
	RRMCGA002SJSA	J	AP	Remote Control
	GCOVAA003SJSA	J	AG	Battery Lid,Remote Control

P.W.B. ASSEMBLY (Not Replacement Item)

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
⚠ PWB-A1~5	DCEKKV429SJ03	J	—	Main/Display/Power/LED/Switch

OTHER SERVICE PARTS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	UDSKA0004AFZZ	J	AZ	CD Optical Pickup Lens Cleaner Disc

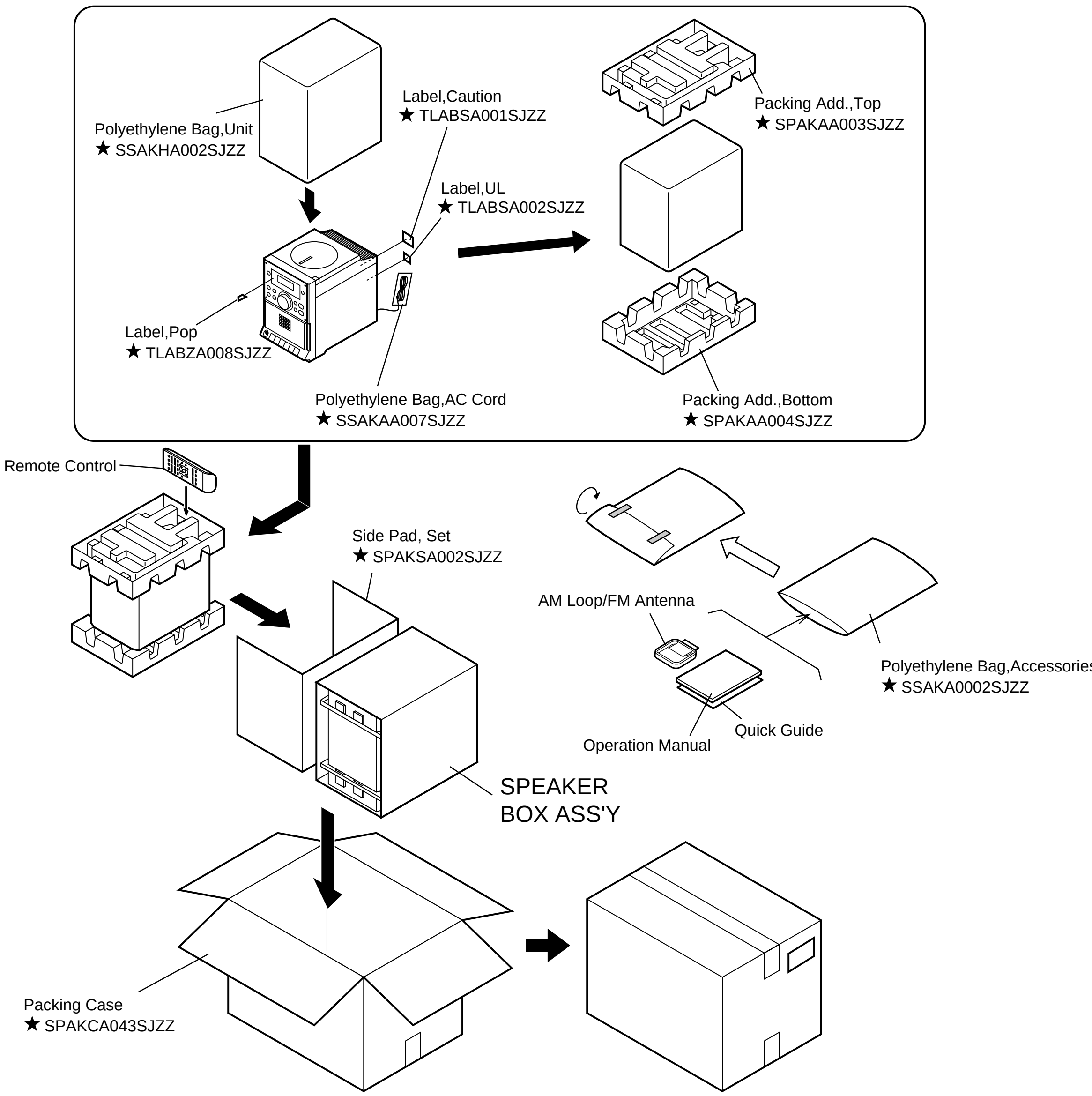


Note: Only the unit and consumable parts are supplied as parts supply for the Tape mechanism.

Figure 5 CABINET EXPLODED VIEW

PACKING METHOD (FOR U.S.A. ONLY)

Setting position of switches and knobs	
Tape Mechanism	STOP



—MEMO—

—MEMO—

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